

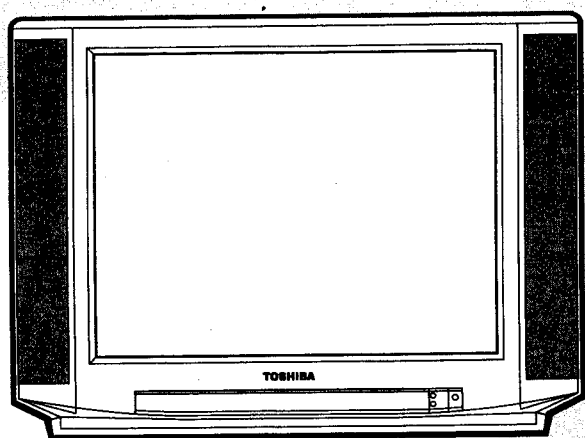
TOSHIBA

SERVICE MANUAL

COLOUR TELEVISION

C6SS Chassis

2866DD



Aug., 1996 Ⓢ

SAFETY INSTRUCTIONS

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" INSTRUCTIONS BELOW.

X-RAY RADIATION PRECAUTION

1. The E.H.T. must be checked every time the receiver is serviced to ensure that the C.R.T. does not emit X-ray radiation as result of excessive E.H.T. voltage. The nominal E.H.T. for this receiver is 31.3 kV at zero beam current (minimum brightness) operating at 220V a.c. The maximum E.H.T. voltage permissible in any operating circumstances must not exceed 32.0 kV. When checking the E.H.T., use the 'High Voltage Check' procedure in this manual using an accurate E.H.T. voltmeter.
2. The only source of X-RAY radiation in this receiver is the C.R.T. To prevent X-ray radiation, the replacement C.R.T. must be identical to the original fitted as specified in the Parts List.
3. Some components used in this receiver have safety related characteristics preventing the C.R.T. from emitting X-ray radiation.
For continued safety, replacement component should only be made after referring the Product Safety Notice below.

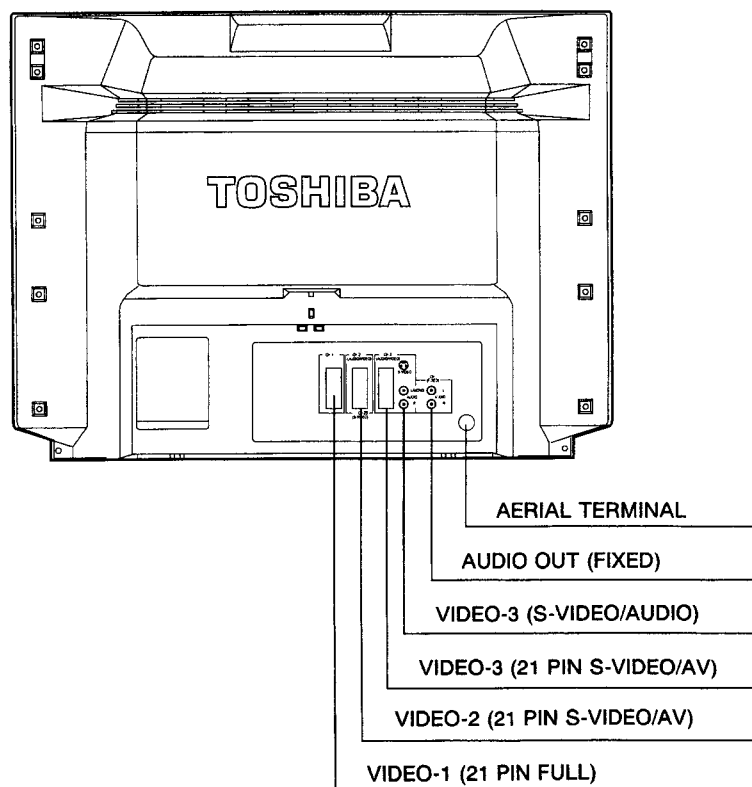
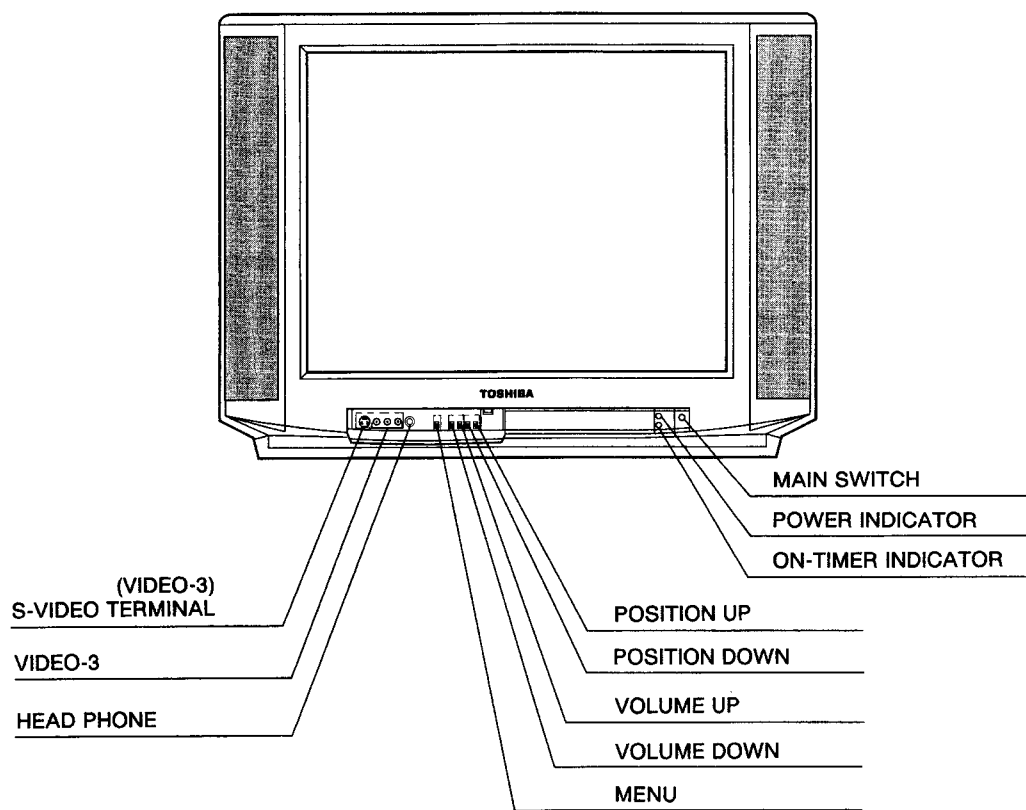
SAFETY PRECAUTION

1. This receiver has a nominal working E.H.T. voltage of 28.5 kV. Extreme caution should be exercised when working on the receiver with the back removed.
Do not attempt to service this receiver if you are not conversant with the precautions and procedures for working on high voltage equipment.
When handling or working on the C.R.T., always discharge the anode to the receiver chassis before removing the anode cap.
The C.R.T., if broken, will violently expel glass fragments. Use shatter proof goggles and take extreme care while handling.
Do not hold the C.R.T. by the neck as this is a very dangerous practice.
2. It is essential that to maintain the safety of the customer all cable forms be replaced exactly as supplied from factory.
3. A small part of the chassis used in this receiver is, when operating, at approximately half mains potential at all times. It is therefore essential in the interest of safety that when serving or connecting any test equipment the receiver should be supplied via a suitable isolating transformer of adequate rating.
4. Replace blown fuses within the receiver with the fuse specified in the parts list.
5. When replacing wires or components to terminals or tags, wind the leads around the terminal before soldering. When replacing safety components identified by the international hazard symbols on the circuit diagram and parts list, it must be a Toshiba approved type and must be mounted as the original.
6. Keep wires away from high temperature components.

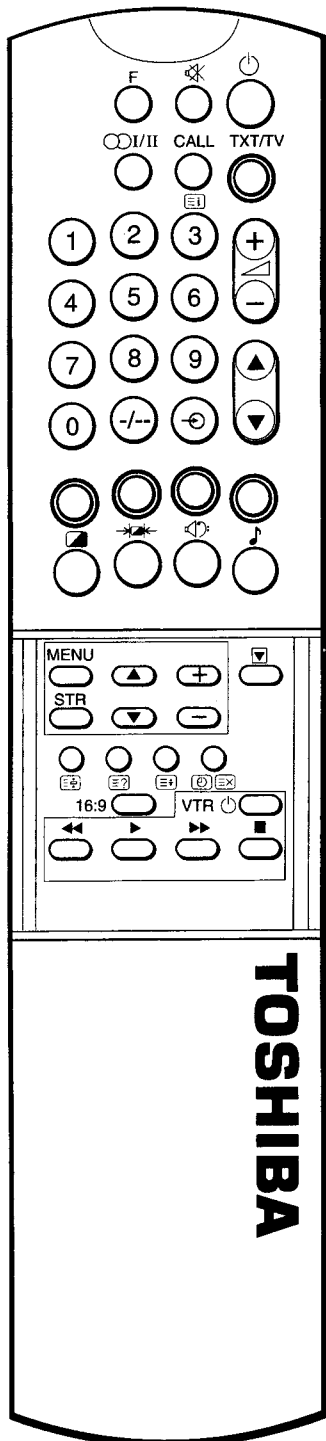
PRODUCT SAFETY NOTICE

Many electrical and mechanical components in this chassis have special safety-related characteristics. These characteristics are often passed unnoticed by a visual inspection and the X-ray radiation protection afforded by them cannot necessarily be obtained by using replacements rated at higher voltages or wattage, etc. Components which have these special safety characteristics in this manual and its supplements are identified by the international hazard symbols on the schematic diagram and parts list. Before replacing any of these components read the parts list in this manual carefully. Substitute replacement components which do not have the same safety characteristics as specified in the parts list may create X-ray radiation.

FRONT CONTROLS AND REAR VIEWS



REMOTE HAND HELD UNIT

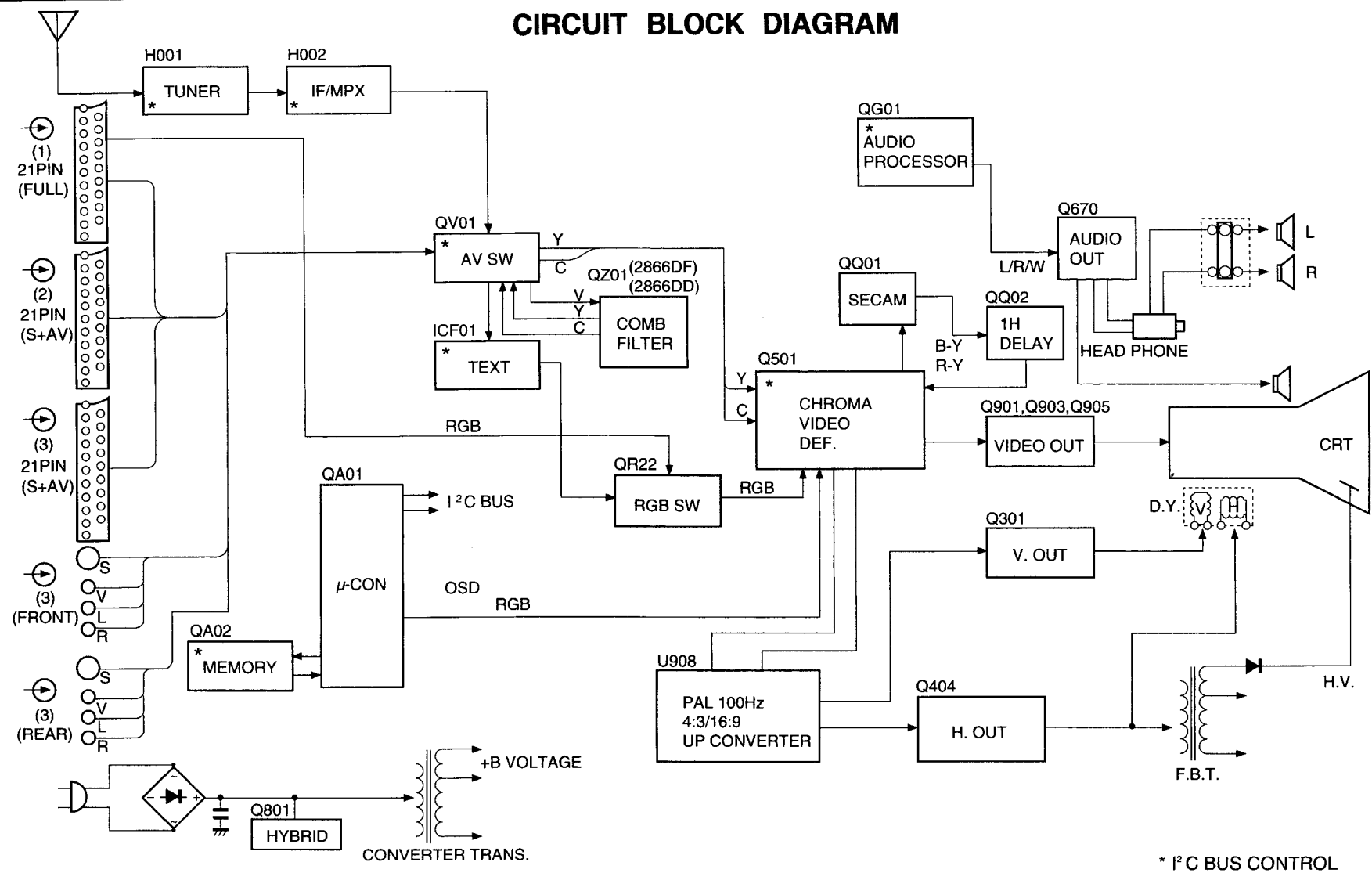


CT-9867

KEY ASSIGNMENT

- ⏻ ON/STAND-BY
- 🔇 Sound mute
- F (Quick/advanced operation)
- CALL (On-screen call)/ (index, initial) TELETEXT MODE
- 🖼️ PICTURE MENU
- 🎵 SOUND MENU
- ⏻ I/II..... <TV MODE> STEREO BILINGUAL
- 1~9, 0 ... TEN KEY
- / - - 1 or 2 place
- 📺 VIDEO INPUT (EXTERNAL INPUT SOURCE SW.)
- 🔊 VOLUME
- + ... LEVEL PLUS (VOLUME, MENU)
- LEVEL MINUS (VOLUME, MENU)
- ▲ UP (POSI., CH., TEXT PAGE)
- ▼ DOWN (POSI., CH., TEXT PAGE)
- TXT/TV..... TEXT, MIX, TV MODE SW.
- ⏸️ HOLD
- 🔍 <TEXT MODE> REVEAL / CONCEAL
- 📄 <TEXT MODE> F-T-B
(FULL, TOP, BOTTOM)
- 🕒 / 🕒 TIME DISPLAY (TV MODE)
TEXT CLEAR (TEXT MODE)
- FLOF COLOUR KEY (4 key used)
Red/Green/Yellow/Blue
- 🔊 Super woofer
- 🖼️ Selectable picture
- MENU..... TUNING & OTHER MENU
- STR..... Store
- 📺 / 📺 ... Menu select
- 🔊 / 🔊 ... Level down/up
- 16:9..... PIC SIZE (Picture size select)
- VTR control
- ⏻ Power on/standby
- ▶ Play
- Stop
- ⏮ Rewind
- ⏭ Fast forward

CIRCUIT BLOCK DIAGRAM



* I²C BUS CONTROL

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 2 OF THIS MANUAL.

INSTALLATION AND SERVICE ADJUSTMENTS

GENERAL INFORMATIONS

All adjustments are thoroughly checked and corrected when the receiver leaves the factory. Therefore the receiver should operate normally and produce proper colour and B/W pictures upon installation. However, several minor adjustments may be required depending on the particular location in which the receiver is operated.

This receiver is shipped completely in cardboard carton. Carefully draw out the receiver from the carton and remove all packing materials. Plug the power cord into a convenient 220 volts 50 Hz AC two pin power outlet. Turn the receiver ON. Check and adjust all the customer controls such as BRIGHTNESS, CONTRAST and COLOUR Controls to obtain natural colour or B/W picture.

AUTOMATIC DEGAUSSING

A degaussing coil is mounted around the picture tube so that external degaussing after moving the receiver is normally unnecessary, providing the receiver is properly degaussed upon installation. The degaussing coil operates for about 1 second after the power to the receiver is switched ON. If the set is moved or faced in a different direction, the power switch must be switched off at least 30 minutes in order that the automatic degaussing circuit operates properly. Should the chassis or parts of the cabinet become magnetized to cause poor colour purity, use an external degaussing coil. Slowly move the degaussing coil around the faceplate of the picture tube, the sides and front of the receiver and slowly withdraw the coil to a distance of about 2 m before disconnecting it from AC source.

HIGH VOLTAGE CHECK

CAUTION: There is no HIGH VOLTAGE ADJUSTMENT on this chassis.

1. Connect an accurate high voltage meter to the second anode of the picture tube.
2. Turn on the receiver. Set the BRIGHTNESS and CONTRAST Controls to minimum (zero beam current).
3. High voltage will be measured below 32.0 kV.
4. Rotate the BRIGHTNESS Control to both extremes to be sure the high voltage does not exceed the limit of 32.0 kV under any conditions.

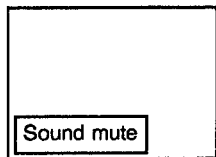
FOCUS ADJUSTMENT

Adjust FOCUS Control on FLYBACK TRANS. (T461) for well defined scanning lines in the centre area on the screen.,

SERVICE MODE

1. ENTERING TO SERVICE MODE

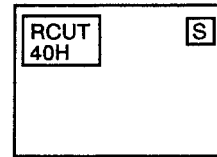
1) Press  button once on Remote Control.



2) Press  button again to keep pressing.



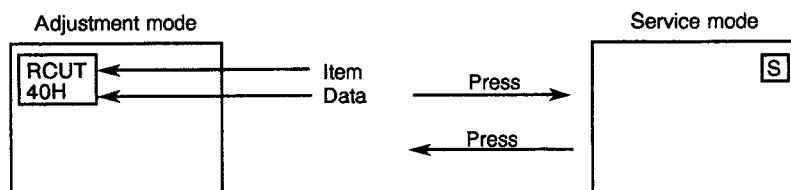
3) Keep pressing the  button, press MENU button on TV set.



(Service mode display)

2. DISPLAYING THE ADJUSTMENT MENU

Press MENU button on TV.



3. SELECTING THE ADJUSTING ITEMS

Every pressing of CHANNEL  button changes the adjustment items in the following order. ( button for reverse order.)

4. ADJUSTING THE DATA

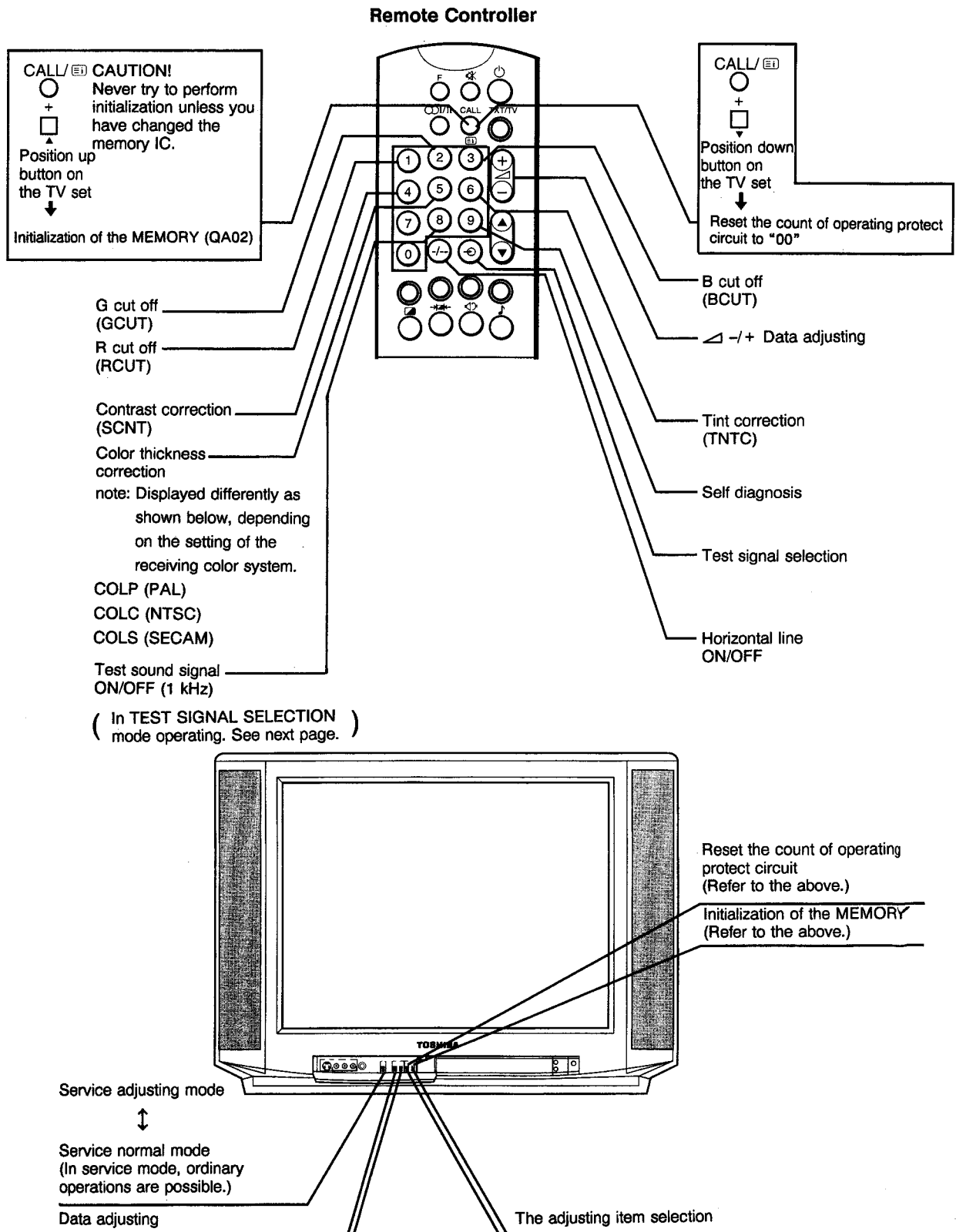
Pressing of VOLUME  or  button will change the value of data in the range from 00 to FF. The variable range depends on the adjusting item.

5. EXIT FROM SERVICE MODE

Press POWER button to turn off the TV once.

OTHER SERVICE FUNCTION

The following key entry during display of adjustment menu provides special functions.



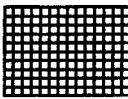
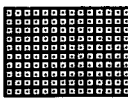
TEST SIGNAL SELECTION

Every pressing of  button changes the test patterns on screen as described below in SERVICE MODE.

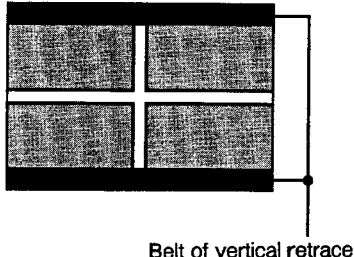
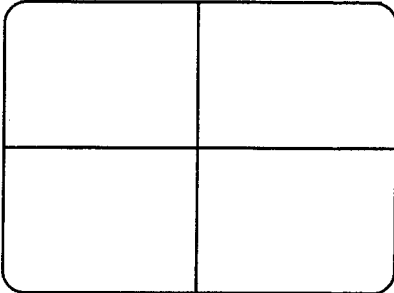
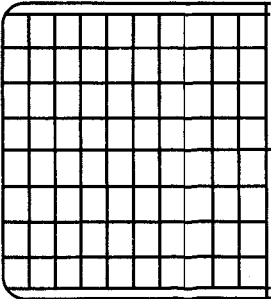
Signal off → NTSC signals (14 patterns)

↑ PAL signals (14 patterns) ←

- About inside signal: The inside signal is output at video input terminal from QA01, and is not output with the pin inserted into terminal. (Single color signal can be output.)

Signals	Picture	Using method
• Red single color • Green single color • Blue single color • Black single color • White single color		Purity and White uniformity of CRT Red single color. . . . Stopping G and B output of Q501 Green single color. . . . Stopping R and B output of Q501 Blue single color. . . . Stopping R and G output of Q501 Black single color. . . . Making black signal of approx. 1Vp-p in QA01 White single color. . . . Making white signal of approx. 1Vp-p in QA01
• W/B adjustment		White balance adjustment White part. . . . White balance adjustment/check in light area Black part. . . . White balance adjustment/check in dark area ※ Making approx. 1Vp-p signal in QA01.
• Black cross-bar • White cross-bar		Picture position (horizontal, vertical and slant) in CRT adjustment ※ Making approx. 1Vp-p signal in QA01.
• Black cross-hatch • White cross-hatch		Convergence and vertical amplitude adjustment ※ Making approx. 1Vp-p signal in QA01.
• Black cross-dot • White cross-dot		Convergence adjustment ※ Making approx. 1Vp-p signal in QA01.
• H signal (Left, right, white) • H signal (Left, right, black)		For checking (of purity drift) of white uniformity of CRT H signal (Left, right, white). . . . Check in light area H signal (Left, right, black). . . . Check in dark area The adjustment will be the best, if the time when unevenness of color in light area occurs, is a little longer than that in dark area. ※ Making approx. 1Vp-p signal in QA01.

SERVICE MODE

ITEM	ADJUSTMENT PROCEDURE
SUB-BRIGHTNESS (BRTC) Note: Constrict the picture height until the vertical retrace line appears adjusting the address HIT (HEIGHT).	1. Set CONTRAST to "00", and BRIGHTNESS to "50" by adjusting user controls. 2. Set the TV in service mode to get white cross-bar of inside pattern. 3. Select BRTC (brightness correction), and adjust the $\triangle - / +$ button to reduce the value so that white portion of inside pattern slightly light. 4. Adjust $\triangle - / +$ button to increase the data value of BRTC, and set it just before the difference between the belt of vertical retrace and the border of black portion of inside pattern is visible. After that, return vertical height and contrast.  Belt of vertical retrace
HORIZONTAL POSITION ADJUSTMENT (HPOS) VERTICAL POSITION ADJUSTMENT (VPOS)	1. Set the TV in service mode, and get black or white cross-bar signal with VIDEO button on remote hand unit. 2. Select either HPOS (Horizontal picture phase) or VPOS (Vertical picture phase) with CHANNEL $\blacktriangle$, $\blacktriangledown$ buttons, and adjust horizontal or vertical picture position in the center of screen with VOLUME $\triangle - / +$ buttons. 
VERTICAL AMPLITUDE ADJUSTMENT (HIT)	1. Set the TV in service mode, and get black or white cross-hatch signal with VIDEO button on remote hand unit. 2. Select HIT (Vertical amplitude) with CHANNEL $\blacktriangle$, $\blacktriangledown$ buttons, and adjust vertical amplitude with VOLUME $\triangle - / +$ buttons so that vertical amplitude lacks a little. 3. Adjust vertical amplitude with VOLUME $\triangle - / +$ buttons so that the first bar on cross-hatch signal touches edge of screen. The first  

ITEM	ADJUSTMENT PROCEDURE
WHITE BALANCE ADJUSTMENT • CUTOFF ADJUSTMENT (RCUT) (GCUT) (BCUT) • DRIVE ADJUSTMENT (GDRV) (BDRV)	- Set Contrast to 40, and brightness to +20 by picture control. - Set the TV in service mode, and get the inside W/B adjusting signal with VIDEO button (see pages 7, 9.). - Select RCUT, GCUT and BCUT with CHANNEL ▲, ▼ buttons, to set individual values to 32, and to set GDRV and BDRV to 20 with VOLUME ▲ - / + buttons. - Press -/- button on the remote control and rotate Screen VR to get one slight horizontal line on screen. Note: Every pressing of -/- button provides Horizontal line picture and Normal picture alternately. - Press -/- button to release horizontal line picture, and select the two other colors which did not light in the above step with CHANNEL ▲, ▼ buttons. Then tap VOLUME ▲ - / + buttons so that three colors slightly light in the same level. ※ To correct white balance in light area, select GDRV and BDRV with CHANNEL ▲, ▼ buttons to adjust. ※ To correct white balance in dark area, perform fine adjustment of RCUT, GCUT and BCUT. Light area check (to show white) Dark area check (to show black)

SELF DIAGNOSTIC FUNCTION

- Press "9" button on Remote Control during display of adjustment menu.
 The diagnosis will begin to check if interface among IC's are executed properly.
- During diagnosis, the following displays are shown.

①	〈SELF CHECK〉	
②	2390	*****
③	POWER	: 00
④	BUS LINE	: OK
⑤	BUS CONT	: OK
	BLOCK	: UV V1 V2
		QV01

- Part number of microcomputer (QA01)
- Operation number of protecting circuit ----"00" is normal.
 When indication is other than "00", overcurrent apt to flow, and circuit parts may possibly be damaged.
- BUS LINE CHECK ----"OK" is normal.
 "SDA1-GND" means that SDA line is shorted to ground.
 "SCL1-GND" means that SCL line is shorted to ground.
 "SCL1-SDA1" means that SDA line is shorted to SCL line.
- BUS CONT ----"OK" is normal.
 When indication shows "Q○○○ NG", the device with the number may possibly be damaged.
- BLOCK
 UV : TV reception mode
 V1 : VIDEO 1 input mode (→ 1)
 V2 : VIDEO 2 input mode (→ 2)

Indicated color of mode now selected : Green and Red
 Indicated color of other modes : White

Green : Normal

Red : The microcomputer operates to provide judgement of no video signal. The red color is still indicated though the signal is input, failure may exist in input signal line including QV01.

QV01 : In case of indication green ---Normal
 In case of indication red with input signal---
 Failure may exist in output line including QV01.

NOTE: Component which controls character display on screen is QT01 (TELETEXT IC). If this display function fails to operate due to damage in QT01, self diagnosis procedure is as follows.

- In case that power indicator is blinking with interval of 0.5 seconds; it means protecting circuit (Current limiter) is operating, and circuit components may possibly be damaged. Check related components.
- In case that power indicator is blinking with interval of 1 second; Protecting circuit does not operate, but a part of Bus line does not operate normally. Check Bus line.

ADJUSTMENT PROCEDURE

MODEL NAME : C6SS (PAL-100Hz 4 :3)

Item	Name	Setting (User control)	Input signal	Measurement point	Adjustment procedure	Adjustment standard	
[SCNT]	Sub-contrast	Dynamic mode	Sub-bright signal (PAL-I signal)	Q501#55 (TP501)	1. Adjust the amplitude from the pedestal level to the white peak.	$2,3 \pm 0,2 \text{ Vpp}$	
[BRTC]	Sub-bright center	Dynamic mode	Sub-bright signal	Screen adjustment	1. Adjust the number of black collapsed lines in the sub-bright signal. 2. This adjustment shall be done after the W/B and [SCNT] adjustments.	$5 \pm 1,5 \text{ lines}$ Screen adjustment	
[COLP]	Sub-color center PAL	Dynamic mode	Sub-bright signal (PAL)	Q501#55 (TP501)	1. Adjust the B-Y amplitude.	$1,35 \pm 0,2 \text{ Vop}$	
[RCUT] [GCUT] [BCUT] Screen VR [GDRV] [BDRV]	R cut-off G cut-off B cut-off G drive B drive	[RCUT]: 40 [GCUT]: 40 [BCUT]: 40 In the horizontal straight line mode [GDRV]: 40 [BDRV]: 40		Screen adjustment	1. Set each control as shown in the left column. 2. Gradually increase the screen VR until either R, G or B line starts to light up slightly. 3. Determine the screen VR adjustment position here. 4. Gradually increase remaining two screen VRs until respective line starts to light up slightly. (Adjust until the screen becomes almost white.) 5. Exit from the horizontal straight line mode. 6. Using CA100, repeat this adjustment until correct value is set to both the dark and bright parts.	Bright part (103cd/m ²)	Dark part (17cd/m ²)
						7195K-0.005uv	7695K $\pm 0\text{uv}$
						Screen judgment (CA100)	

MODEL NAME : C6SS (PAL-100Hz 4 :3)

Item	Name	Setting (User control)	Input signal	Measurement point	Adjustment procedure	Adjustment standard
[BELL]	BELL filter		SECAM color bar	QQ01#21 (TPM01)	1. Vary the [BELL] control until the waveform on the synchroscope becomes flat.	$100 \pm 10\%$
[SRY]	SECAM R-Y black level	Dynamic mode	SECAM color bar	Q501#55 (TP501)	1. Vary the [SRY] control until the level of the B/W signal becomes equal to the H. BLK level.	$0 \pm 40\text{mV}$
[SBY]	SECAM B-Y black level	Dynamic mode	SECAM color bar	Q501#55 (TP501)	1. Vary the [SBY] control until the level of the B/W signal becomes equal to the H. BLK level.	$0 \pm 40\text{mV}$
[COLS]	Sub-color center SECAM	Dynamic mode	SECAM color bar	Q501#55 (TP501)	1. Adjust the R-Y amplitude. (During this adjustment, apply the picture mute.)	$1.75 \pm 0.2\text{Vop}$ * (Pedestal to Peak)

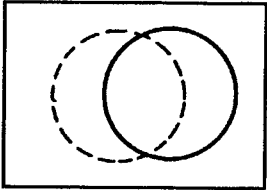
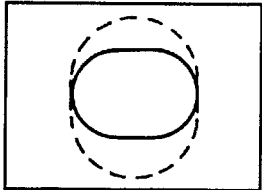
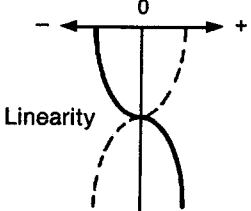
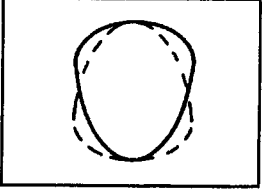
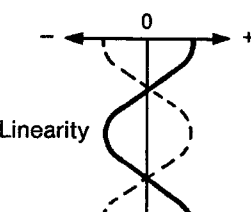
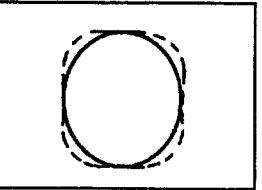
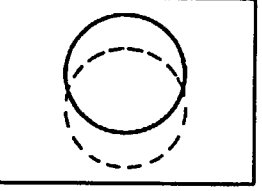
MODEL NAME : C6SS (PAL-100Hz 4 :3)

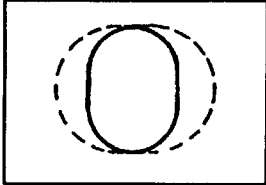
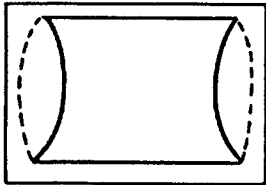
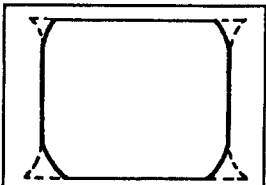
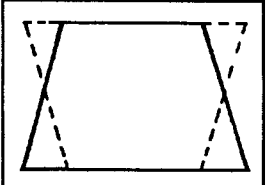
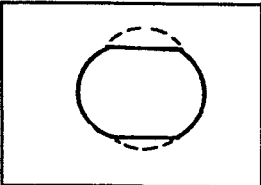
Adjustment Parts	Input point/Output point	Adjustment signal	Adjustment conditions and procedures
: Horizontal amplitude adjustment : Pin-cushion distortion correction amount adjustment : Keystone distortion correction amount adjustment	Visual adjustment with figures on the screen. (Bus control)	WG Philips pattern. Do not use Philips pattern for FRANCE SECAM.	1. Conditions: V. height, VERT position. After H. center adjustment , set the contrast to max., bright to center and color to center. 2. Adjustment procedures a. Adjust the horizontal amplitude by the sub-address WID. ●For French model: Adjust the horizontal amplitude so that the first inner white lines next to the left and right white flag of Philips pattern just disappear behind the frame. ●For other models: adjust the horizontal amplitude so that the left and right white flags of Philips pattern just disappear behind the frame. b. By the sub-address DPC, make the left and right horizontal bar straight. c. By the sub-address KEY, correct the Keystone distortion. d. Again, adjust the sub-address WID.
: HEIGHT	Visual adjustment with figures on the screen. (Bus control)	WG Philips pattern. Do not use Philips pattern for FRANCE SECAM.	1. Conditions: Cont max, Bright cent, Color cent. 2. Adjustment procedure a. By the sub-address HIT, make the top and bottom flags of Philips pattern just disappear behind the frame.
: VERT. POSITION	Visual adjustment with figures on the screen. (Bus control)	WG Philips pattern. Do not use philips pattern for FRANCE SECAM.	1. Conditions Cont max, Bright cent, Color cent. a. Adjust the sub-address VPOS so that the upper and lower positions of the circle of Phillips pattern come to the center of the screen.

MODEL NAME : C6SS (PAL-100Hz 4 :3)

Adjustment Parts	Input point/Output point	Adjustment signal	Adjustment conditions and procedures
: H. CENT (Bus control)	Visual adjustment with figures on the screen.	WG Philips pattern. Do not use Philips pattern for FRANCE SECAM.	1. Conditions: Cont max, Bright cent, Color cent. 2. Adjustment procedure Adjust the sub-address HPOS to adjust the screen center. (Make D-C minimum in the CRT adjustment magnetic field.)
Vertical synchronizing VR adjustment R4350	DEF UNIT (PB6510X-3)	_____	1. Supply +12.0v to the HVCC terminal (P402B#AG). 2. Using the frequency counter, adjust the VR so that the frequency at the Q420#24 terminal becomes $93.0 \pm 2.0/-1.0\text{Hz}$. * When supplying power, connect the power supply GND to all GNDs of the connectors P402B (#AD) and P403B (#BA, BG).
Horizontal synchronizing VR adjustment R4450	DEF UNIT (PB6510X-3)	_____	1. Supply +12.0v to the HVCC terminal (P402B#AG). 2. Using the frequency counter, adjust the VR so that the frequency at the Q420#16 terminal becomes $31.36 \pm 0.15\text{kHz}$. * When supplying power, connect the power supply GND to all GNDs of the connectors P402B (#AD) and P403B (#BA, BG).

SUB DATA ADDITIONAL DESCRIPTION

Symbol	Description
HPOS	H screen position correction. 
HIT	V amplitude adjustment. 
VLIN	V linearity correction 1.   Linearity balance between top and bottom screen.
VSC	V linearity correction 2.   Linearity balance between top/bottom and center.
VPOS VPS	V picture position adjustment. 

Symbol	Description
VCP	Setting of amount of V amplitude correction against variation of screen brightness.
WID	H amplitude adjustment. 
PARA	H pin-cushion distortion correction. 
CNR	H pin-cushion distortion correction at four corners. 
TRAP	Pedestal distortion correction. 
HCP	Setting of amount of H amplitude correction against variation of screen brightness.
VFC	V linearity correction. Linearity balance at 1/4, 3/4 areas from top. Linearity  

MULTI BUS E2PROM ADDRESS, ADJUSTING ADDRESS TABLE

Adjusting method	QA02 memory address	Name of Item	Value of Initializing QA02 (Hexa-decimal)	Adjustments
F	03H	RCUT	40H	R CUTOFF (B/W)
↓	04H	GCUT	40H	G CUTOFF (B/W)
↓	05H	BCUT	40H	B CUTOFF (B/W)
↓	06H	GDRV	40H	G DRIVE
↓	07H	BDRV	40H	B DRIVE
S	08H	CNTX	7FH	SUB CONTRAST MAX (4:3 MODE)
F	09H	BRTC	80H	SUB BRIGHT CEN
S	0AH	COLC	42H	SUB COLOR CEN NTSC
S	0BH	TNTC	40H	SUB TINT CEN
F	0CH	COLP	42H	SUB COLOR CEN PAL
F	0DH	COLS	32H	SUB COLOR CEN SECAM
S	0EH	SCOL	07H	SUB COLOR
F	0FH	SCNT	12H	SUB CONTRAST
↓	3AH	VOLS	00H	VOL SCART
↓	3BH	FVOL	00H	FM VOL PRE SCALE
↓	3CH	NVOL	00H	NICAM VOL PRE SCALE
↓	3DH	NICL	00H	NICAM THRESHOLD LEVEL
↓	3EH	NICH	00H	NICAM THRESHOLD LEVEL
↓	3FH	IDL	00H	IGR THRESHOLD LEVEL
↓	40H	IDH	00H	IGR THRESHOLD LEVEL
S	2FH	EVOL	00H	EXT PRE. VOLUME
↓	42H	EMX	FCH	NICAM ON LEVEL
↓	43H	EMN	64H	NICAM OFF LEVEL
↓	44H	FMA	00H	FM ATTENUATOR LEVEL
S	45H	STS	00H	STEREO SEPARATION
F	49H	HPOS	15H	50Hz H-POSITION
↓	4AH	VPOS	03H	V-POSITION
↓	4BH	HIT	40H	HEIGHT
↓	4EH	VLIN	17H	V-LINEARITY
S	4FH	VSC	19H	V-S CORRECTION
↓	50H	VPS	0DH	V-SHIFT
↓	51H	VCP	0AH	V-COMPENSATION
F	52H	WID	0FH	PICTURE WIDTH
↓	53H	PARA	2AH	E-W PARABOLA
↓	54H	CNR	06H	E-W CORNER
↓	55H	TRAP	1FH	TRAPEZIUM
↓	56H	HCP	02H	H-COMPENSATION
S	57H	VFC	0FH	V-F CORRECTION
↓	C6H	BELL	80H	SECAM BELL FILTER
↓	C7H	SRY	08H	SECAM R-Y
↓	CBH	SBY	08H	SECAM B-Y

S ... semi-fixed data area which is fixed by model. (Do not adjust in field service.)

F ... This item may require adjustments by models after initialization, when QA02 is replaced.

ADJUSTING THE DATA

- 1) Pressing of VOLUME $\triangleleft$ +/- button will change the value of data in the range from 00H to FFH. The variable range depends on the adjusting item.

EXIT FROM SERVICE MODE

- 1) Press POWER button to turn off the TV once.

INITIALIZATION OF MEMORY DATA OF QA02

After replacing QA02, the following initialization is required.

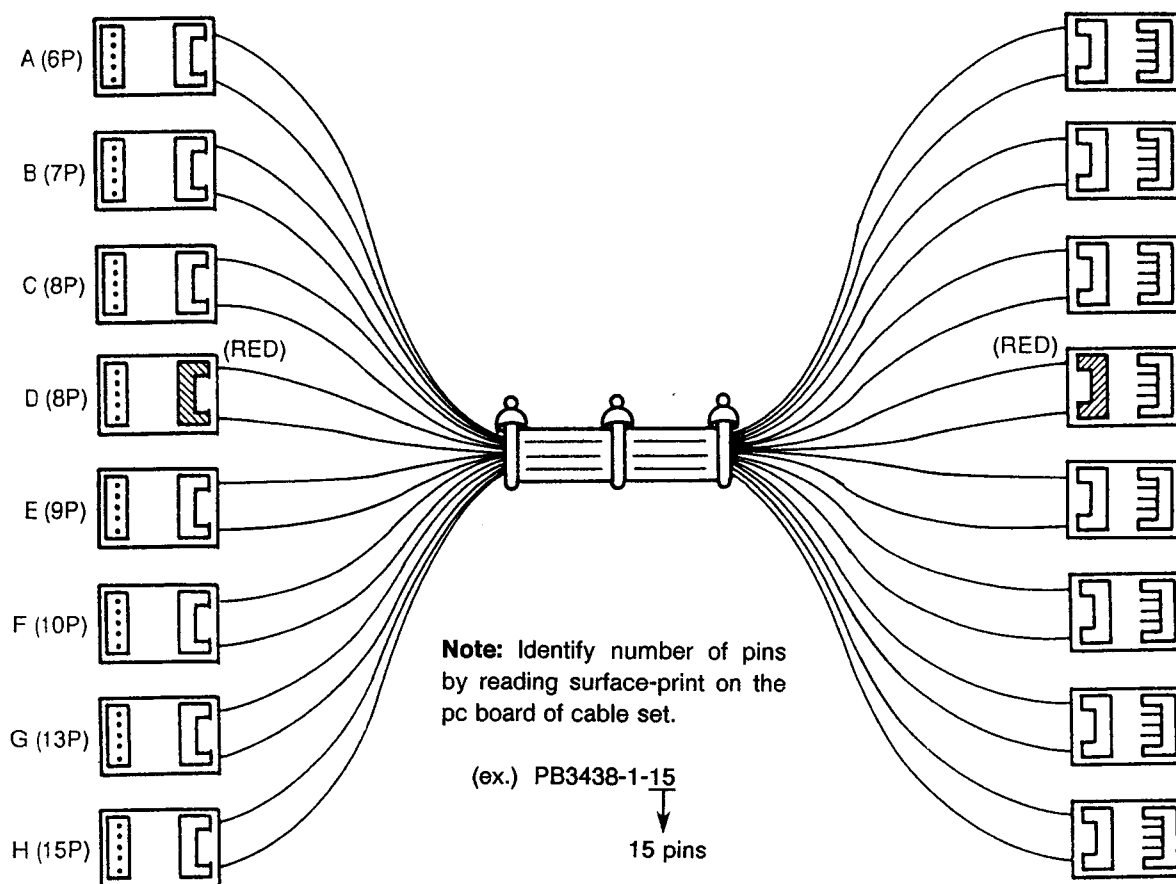
1. Enter the service mode, then select any register item.
2. Press and hold the CALL button on the Remote, then press the CHANNEL $\blacktriangle$ button on the TV. The initialization of QA02 has been completed.
3. Check the picture carefully. If necessary, adjust any adjustment item above.
Perform "AUTO search memory" on the owner's manual.

CAUTION: Never attempt to initialize the data unless QA02 has been replaced.

EXTENSION CABLE SET

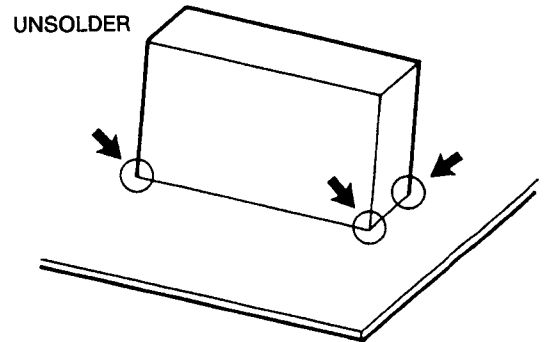
1. Extension Cable Set is available for servicing modules.
For C6SS chassis, however, this cable is used only for TELETEXT and DIGITAL COMB FILTER modules.
(See reference table on next page.)
2. Identify number of pins by reading surface-print on the pc board of cable set.

Part No.	Description
23305270	Extension Cable Set

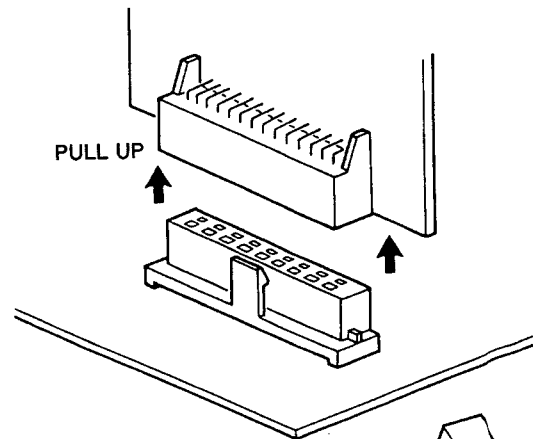


TO USE THE CABLE SET

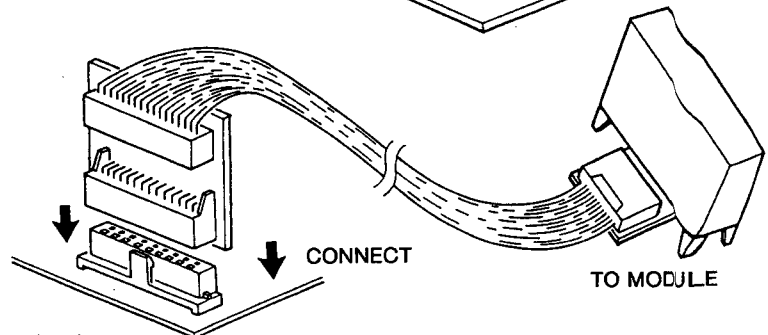
1. Unsolder corners on shielding case of module, which are marked with arrow in the figure.



2. Remove shielding case, and pull up module to disconnect.



3. Connect Extension Cable Set to module and Main board.

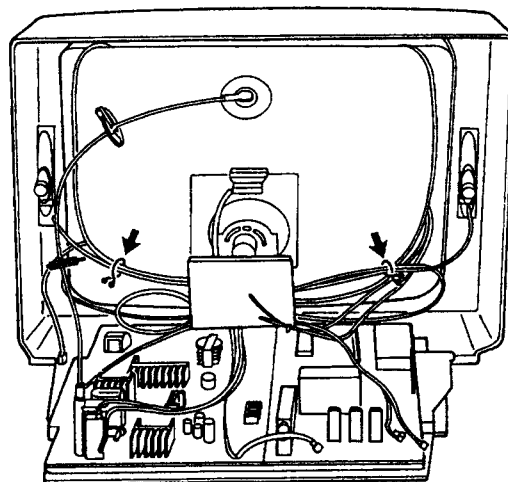


4. Reference chart of module and extension cable pin.

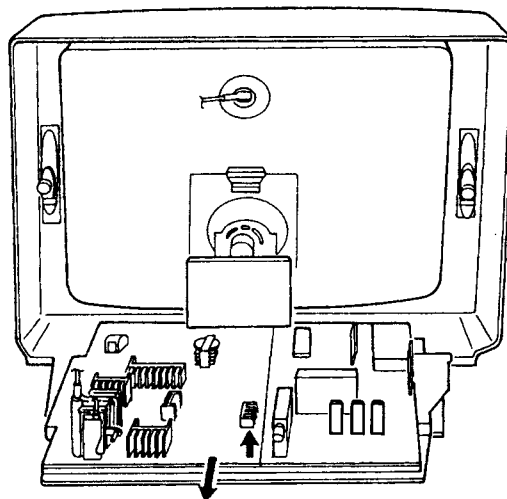
Board name	FRANCE	GERMANY	Remarks
TELETEXT	15P 7P	15P 7P	
DIGITAL COMB FILTER	10P	10P	SECAM/1H DELAY circuit can not be used because of 11 pin connector.

HOW TO MAKE THE CHASSIS STAND FOR REPAIR

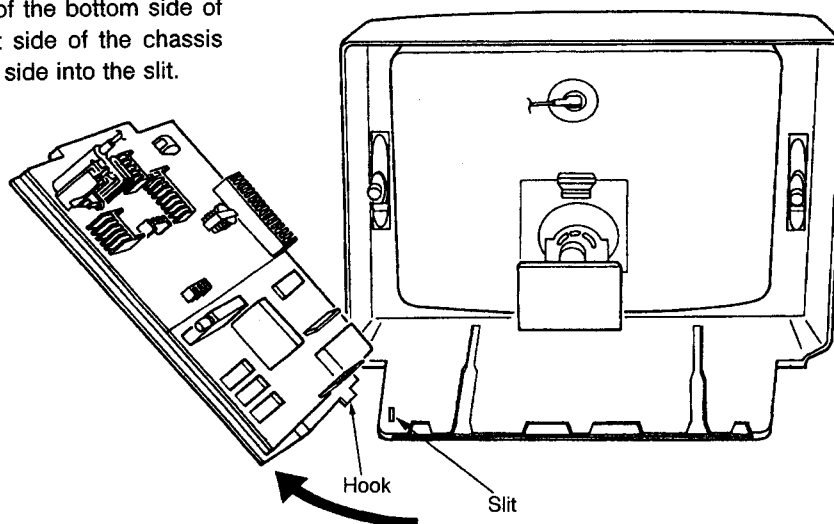
1. Disconnect the lead wires for the speaker fixed to the degausser coil with three omega clips.



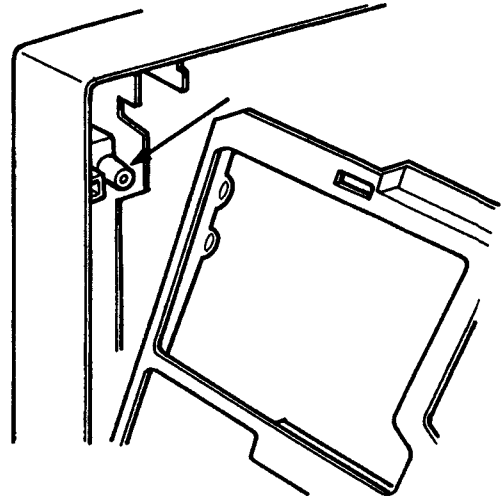
2. Lifting up slightly, pull out the chassis from the front mask.



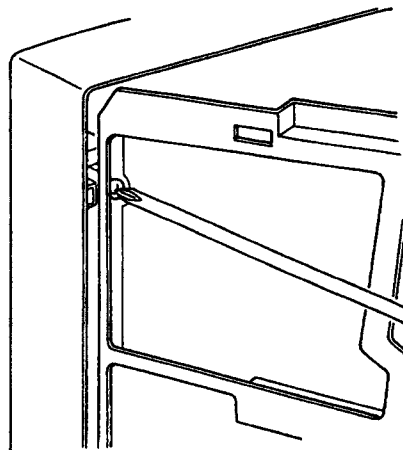
3. There is a slit at the left front of the bottom side of the front mask. Lift up the left side of the chassis and insert the hook at the right side into the slit.



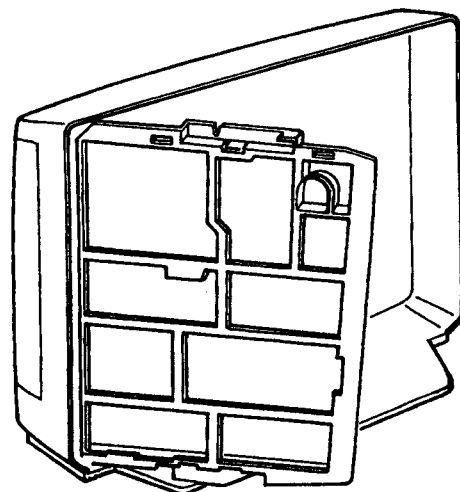
4. To retain the chassis, use the upper left boss (highest boss) which is marked with No. 29.



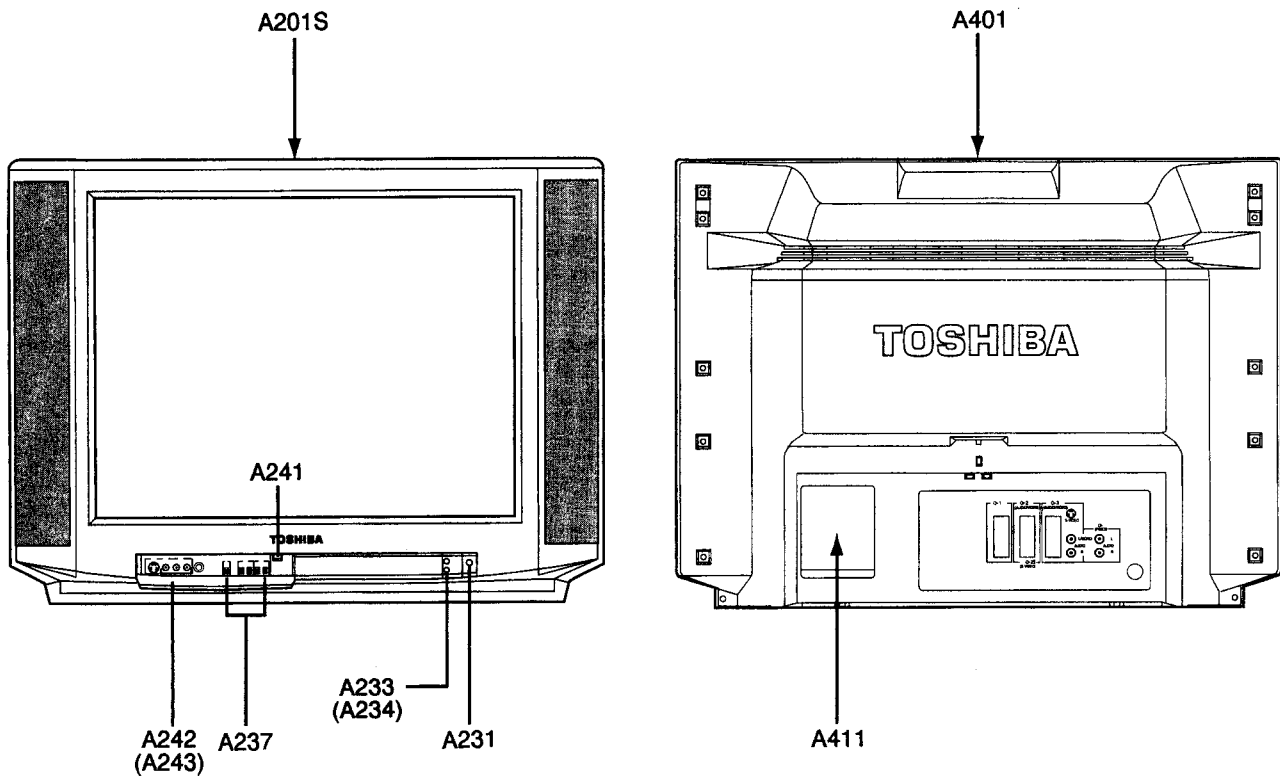
5. Fix it with screws for back cover fixing.
Upper hole of the chassis frame.



6. After repair works, restore the unit by reversing the above steps.



CABINET REPLACEMENT PARTS LIST



Location No.	Part No.	Description
A201S	23510020	Front Cover
A231	23444902	Button, Power
A233	23430336	Lens, RMT
A234	23430323	Piece (LED)
A237	23443966	Button, Control
A239	23460802	Trim, Control
A241	70368125	Push Catch for Door
A242	23426957	Door
A243	23421759	Piece (Decorative)
A401	23426393	Back Cover
A411	23560040	Label, Model No.
A420	23460806	Trim, Back Terminal

CHASSIS REPLACEMENT PARTS LIST

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 2 OF THIS MANUAL.

CAUTION: The international hazard symbols "△" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 2. Do not degrade the safety of the receiver through improper servicing.

NOTICE:

•The part number must be used when ordering parts, in order to assist in processing, be sure to include the Model number and Description.

•The PC board assembly with * mark is no longer available after the end of the production.

ABBREVIATIONS:

Capacitors.....	CD : Ceramic Disk	PF : Plastic Film	EL : Electrolytic
Resistors.....	CF : Carbon Film	CC : Carbon Composition	MF : Metal Film
	OMF : Oxide Metal Film	VR : Variable Resistor	FR : Fusible Resistor

(All CD and PF capacitors are $\pm 5\%$, 50V and all resistors, $\pm 5\%$, 1/6W unless otherwise noted.)

Location No.	Part No.	Description
CAPACITORS		
C101	24797229	EL, 2.2 μ F, $\pm 20\%$, 50V
C102	24763221	EL, 220 μ F, $\pm 20\%$, 16V
C103	24232103	CD, 0.01 μ F, $\pm 80\%$, -20%
C104	24794470	EL, 47 μ F, $\pm 20\%$, 16V
C105	24212102	CD, 1000pF, $\pm 10\%$
C106	24797100	EL, 10 μ F, $\pm 20\%$, 50V
C107	24763221	EL, 220 μ F, $\pm 20\%$, 16V
C108	24763101	EL, 100 μ F, $\pm 20\%$, 16V
C109	24232103	CD, 0.01 μ F, $\pm 80\%$, -20%
C115	24232103	CD, 0.01 μ F, $\pm 80\%$, -20%
C116	24763221	EL, 220 μ F, $\pm 20\%$, 16V
C201	24206100	EL, 10 μ F, 50V
C203	24538104	PF, 0.1 μ F
C204	24206010	EL, 1 μ F, 50V
C205	24206229	EL, 2.2 μ F, 50V
C206	24206108	EL, 0.1 μ F, 50V
C207	24436100	CD, 10pF, ± 0.25 pF
C208	24436100	CD, 10pF, ± 0.25 pF
C209	24436100	CD, 10pF, ± 0.25 pF
C212	24794100	EL, 10 μ F, $\pm 20\%$, 16V
C214	24538104	PF, 0.1 μ F
C215	24436101	CD, 100pF
C216	24436101	CD, 100pF
C218	24436390	CD, 39pF
C240	24797100	EL, 10 μ F, $\pm 20\%$, 50V
C303	24214471	CD, 470pF, $\pm 10\%$, 500V
C304	24693473	PF, 0.047 μ F, 100V
C305	24617912	EL, 2.2 μ F, $\pm 10\%$, 50V
C306	24073059	EL, 3300 μ F, $\pm 20\%$, 25V
C307	24793101	EL, 100 μ F, $\pm 20\%$, 10V
C308	24668221	EL, 220 μ F, $\pm 20\%$, 35V
C309	24668101	EL, 100 μ F, $\pm 20\%$, 35V
C310	24796222	EL, 2200 μ F, $\pm 20\%$, 35V
C311	24538473	PF, 0.047 μ F
C312	24591273	PF, 0.027 μ F
C313	24082058	PF, 0.27 μ F, 100V
C314	24212102	CD, 1000pF, $\pm 10\%$
C315	24797229	EL, 2.2 μ F, $\pm 20\%$, 50V
C316	24539104	PF, 0.1 μ F
C318	24666101	EL, 100 μ F, $\pm 20\%$, 16V

Location No.	Part No.	Description
C319	24212102	CD, 1000pF, $\pm 10\%$
C321	24591203	PF, 0.02 μ F
C322	24617912	EL, 2.2 μ F, $\pm 10\%$, 50V
C323	24538224	PF, 0.22 μ F
C324	24538683	PF, 0.068 μ F
C326	24591682	PF, 6800pF
C327	24617787	EL, 470 μ F, $\pm 20\%$, 16V
C328	24232103	CD, 0.01 μ F, $\pm 80\%$, -20%
C341	24797478	EL, 0.47 μ F, $\pm 20\%$, 50V
C366	24693473	PF, 0.047 μ F, 100V
C370	24794101	EL, 100 μ F, $\pm 20\%$, 16V
C371	24794100	EL, 10 μ F, $\pm 20\%$, 16V
C401	24538104	PF, 0.1 μ F
C403	24591203	PF, 0.02 μ F
C404	24797229	EL, 2.2 μ F, $\pm 20\%$, 50V
C406	24214121	CD, 120pF, $\pm 10\%$, 500V
C410	24092341	CD, 470pF, $\pm 10\%$, 2kV
C413	24214332	CD, 3300pF, $\pm 10\%$, 500V
C416	24668101	EL, 100 μ F, $\pm 20\%$, 35V
C417	24214391	CD, 390pF, $\pm 10\%$, 500V
C419	24212102	CD, 1000pF, $\pm 10\%$
C420	24666101	EL, 100 μ F, $\pm 20\%$, 16V
C421	24539104	PF, 0.1 μ F
C423	24829473	PF, 0.047 μ F, 400V
C430	24232103	CD, 0.01 μ F, $\pm 80\%$, -20%
C431	24763471	EL, 470 μ F, $\pm 20\%$, 16V
C439	24082830	PF, 3000pF, $\pm 3\%$, 1800V
C440	24082830	PF, 3000pF, $\pm 3\%$, 1800V
C442	24082642	PF, 0.16 μ F, 400V
C443	24082644	PF, 0.2 μ F, 400V
C444	24082827	PF, 2200pF, $\pm 3\%$, 1800V
C445	24828473	PF, 0.047 μ F, 200V
C446	24679330	EL, 33 μ F, $\pm 20\%$, 250V
C448	24640908	EL, 33 μ F, $\pm 20\%$, 160V
C460	24796331	EL, 330 μ F, $\pm 20\%$, 35V
C461	24082827	PF, 2200pF, $\pm 3\%$, 1800V
C462	24796222	EL, 2200 μ F, $\pm 20\%$, 35V
C463	24212392	CD, 3900pF, $\pm 10\%$
C464	24640900	EL, 4.7 μ F, $\pm 20\%$, 100V
C465	24591683	PF, 0.068 μ F
C466	24095884	PF, 0.013 μ F, 630V

Location No.	Part No.	Description
C467	24668470	EL, 47 μ F, $\pm$ 20%, 35V
C468	24668100	EL, 10 μ F, $\pm$ 20%, 35V
C469	24092337	CD, 220pF, $\pm$ 10%, 2kV
C470	24794220	EL, 22 μ F, $\pm$ 20%, 16V
C472	24538474	PF, 0.47 μ F
C473	24669010	EL, 1 μ F, $\pm$ 20%, 50V
C475	24095887	PF, 0.01 μ F, $\pm$ 3%, 630V
C477	24590563	PF, 0.056 μ F
C478	24590563	PF, 0.056 μ F
C481	24538104	PF, 0.1 μ F
C482	24214102	CD, 1000pF, $\pm$ 10%, 500V
C483	24591124	PF, 0.12 μ F
C491	24082749	PF, 1.5 μ F, 250V
C492	24082645	PF, 0.22 μ F, 400V
C494	24082644	PF, 0.2 μ F, 400V
C495	24092343	CD, 680pF, $\pm$ 10%, 2kV
C496	24092343	CD, 680pF, $\pm$ 10%, 2kV
C501	24232103	CD, 0.01 μ F, +80%, -20%
C502	24232103	CD, 0.01 μ F, +80%, -20%
C503	24763101	EL, 100 μ F, $\pm$ 20%, 16V
C504	24591222	PF, 2200pF
C505	24353120	CD, 12pF
C507	24353120	CD, 12pF
C508	24206100	EL, 10 μ F, 50V
C509	24763101	EL, 100 μ F, $\pm$ 20%, 16V
C510	24763101	EL, 100 μ F, $\pm$ 20%, 16V
C511	24232103	CD, 0.01 μ F, +80%, -20%
C512	24206228	EL, 0.22 μ F, 50V
C513	24232103	CD, 0.01 μ F, +80%, -20%
C514	24538104	PF, 0.1 μ F
C515	24538104	PF, 0.1 μ F
C516	24212102	CD, 1000pF, $\pm$ 10%
C517	24353010	CD, 1pF, $\pm$ 0.25pF
C519	24353010	CD, 1pF, $\pm$ 0.25pF
C520	24212102	CD, 1000pF, $\pm$ 10%
C521	24212102	CD, 1000pF, $\pm$ 10%
C522	24436470	CD, 47pF
C523	24436470	CD, 47pF
C524	24436561	CD, 560pF
C525	24353181	CD, 180pF
C526	24436101	CD, 100pF
C613	24794470	EL, 47 μ F, $\pm$ 20%, 16V
C660	24206229	EL, 2.2 μ F, 50V
C661	24538104	PF, 0.1 μ F
C664	24203100	EL, 10 μ F, $\pm$ 20%, 16V
C665	24206229	EL, 2.2 μ F, 50V
C666	24206229	EL, 2.2 μ F, 50V
C667	24212102	CD, 1000pF, $\pm$ 10%
C668	24212102	CD, 1000pF, $\pm$ 10%
C669	24668330	EL, 33 μ F, $\pm$ 20%, 35V
C670	24668330	EL, 33 μ F, $\pm$ 20%, 35V
C671	24797010	EL, 1 μ F, $\pm$ 20%, 50V
C673(U904)	24474102	CD, 1000pF, $\pm$ 10%
C673(U902A)	24797010	EL, 1 μ F, $\pm$ 20%, 50V
C674(U902A)	24797010	EL, 1 μ F, $\pm$ 20%, 50V
C674(U904)	24474102	CD, 1000pF, $\pm$ 10%
C675(U902A)	24795470	EL, 47 μ F, $\pm$ 20%, 25V
C675(U904)	24474102	CD, 1000pF, $\pm$ 10%
C676(U902A)	24797479	EL, 4.7 μ F, $\pm$ 20%, 50V
C676(U904)	24474102	CD, 1000pF, $\pm$ 10%
C677	24591102	PF, 1000pF
C678(U902A)	24591102	PF, 1000pF
C678(U904)	24474102	CD, 1000pF, $\pm$ 10%
C679(U902A)	24538104	PF, 0.1 μ F

Location No.	Part No.	Description
C679(U904)	24474102	CD, 1000pF, $\pm$ 10%
C680	24668102	EL, 1000 μ F, $\pm$ 20%, 35V
C681(U902A)	24668471	EL, 470 μ F, $\pm$ 20%, 35V
C681(U904)	24474102	CD, 1000pF, $\pm$ 10%
C682(U902A)	24668471	EL, 470 μ F, $\pm$ 20%, 35V
C682(U904)	24474102	CD, 1000pF, $\pm$ 10%
C683	24668102	EL, 1000 μ F, $\pm$ 20%, 35V
C684	24591124	PF, 0.12 μ F
C685	24591124	PF, 0.12 μ F
C686	24591124	PF, 0.12 μ F
C687	24232103	CD, 0.01 μ F, +80%, -20%
C688	24203220	EL, 22 μ F, $\pm$ 20%, 16V
C704	24232103	CD, 0.01 μ F, +80%, -20%
C705	24797229	EL, 2.2 μ F, $\pm$ 20%, 50V
C707	24794470	EL, 47 μ F, $\pm$ 20%, 16V
C712	24666470	EL, 47 μ F, $\pm$ 20%, 16V
C713	24790100	EL, 10 μ F, $\pm$ 20%, 160V
C714	24436101	CD, 100pF
C715	24214472	CD, 4700pF, $\pm$ 10%, 500V
C716	24436101	CD, 100pF
C717	24214472	CD, 4700pF, $\pm$ 10%, 500V
C718	24794470	EL, 47 μ F, $\pm$ 20%, 16V
C719	24435151	CD, 150pF, 500V
C720	24790100	EL, 10 μ F, $\pm$ 20%, 160V
C721	24794470	EL, 47 μ F, $\pm$ 20%, 16V
△C801	24082374	PF, 0.22 μ F, AC250V
△C802	24082374	PF, 0.22 μ F, AC250V
△C805	24092281	CD, 4700pF, $\pm$ 20%, AC250V
△C806	24092281	CD, 4700pF, $\pm$ 20%, AC250V
C808	24667331	EL, 330 μ F, $\pm$ 20%, 25V
C809	24214471	CD, 470pF, $\pm$ 10%, 500V
C810	24086873	EL, 330 μ F, $\pm$ 20%, 400V
△C813	24092457	CD, 2200pF, $\pm$ 20%, AC400V
△C814	24092457	CD, 2200pF, $\pm$ 20%, AC400V
C816	24669221	EL, 220 μ F, $\pm$ 20%, 50V
C817	24092341	CD, 470pF, $\pm$ 10%, 2kV
C818	24095931	PF, 2200pF, 1250V
C819	24676220	EL, 22 μ F, $\pm$ 20%, 100V
C820	24092343	CD, 680pF, $\pm$ 10%, 2kV
C821	24214471	CD, 470pF, $\pm$ 10%, 500V
C829	24590182	PF, 1800pF
C831	24794470	EL, 47 μ F, $\pm$ 20%, 16V
C832	24794470	EL, 47 μ F, $\pm$ 20%, 16V
C833	24669100	EL, 10 μ F, $\pm$ 20%, 50V
C834	24797100	EL, 10 μ F, $\pm$ 20%, 50V
C835	24794470	EL, 47 μ F, $\pm$ 20%, 16V
C841	24669100	EL, 10 μ F, $\pm$ 20%, 50V
C842	24669100	EL, 10 μ F, $\pm$ 20%, 50V
C843	24590104	PF, 0.1 μ F
C846	24590104	PF, 0.1 μ F
C873	24667470	EL, 47 μ F, $\pm$ 20%, 25V
C884	24086916	EL, 330 μ F, $\pm$ 20%, 160V
C885	24214471	CD, 470pF, $\pm$ 10%, 500V
C887	24214471	CD, 470pF, $\pm$ 10%, 500V
C889	24668222	EL, 2200 μ F, $\pm$ 20%, 35V
C892	24667222	EL, 2200 μ F, $\pm$ 20%, 25V
C893	24092337	CD, 220pF, $\pm$ 10%, 2kV
C895	24669470	EL, 47 μ F, $\pm$ 20%, 50V
C896	24214471	CD, 470pF, $\pm$ 10%, 500V
C897	24666332	EL, 3300 μ F, $\pm$ 20%, 16V
C898	24212101	CD, 100pF, $\pm$ 10%
C899	24214471	CD, 470pF, $\pm$ 10%, 500V
C902	24092353	CD, 4700pF, $\pm$ 10%, 2kV
C904	24436471	CD, 470pF

Location No.	Part No.	Description
C905	24436471	CD, 470pF
C907	24436471	CD, 470pF
C909	24679220	EL, 22 μ F, $\pm$ 20%, 250V
C910	24797478	EL, 0.47 μ F, $\pm$ 20%, 50V
C911	24203100	EL, 10 μ F, $\pm$ 20%, 16V
C912	24794102	EL, 1000 μ F, $\pm$ 20%, 16V
C913	24763102	EL, 1000 μ F, $\pm$ 20%, 16V
C914	24212103	CD, 0.01 μ F, $\pm$ 10%
C915	24092398	CD, 0.1 μ F, +80%, -20%
C920	24591104	PF, 0.1 μ F
C921	24591104	PF, 0.1 μ F
C930	24214101	CD, 100pF, $\pm$ 10%, 500V
C931	24214101	CD, 100pF, $\pm$ 10%, 500V
C4031	24591562	PF, 5600pF
C4041	24797229	EL, 2.2 μ F, $\pm$ 20%, 50V
C4301	24797010	EL, 1 μ F, $\pm$ 20%, 50V
C4302	24232103	CD, 0.01 μ F, +80%, -20%
C4303	24591363	PF, 0.036 μ F
C4304	24591152	PF, 1500pF
C4305	24794101	EL, 100 μ F, $\pm$ 20%, 16V
C4306	24232103	CD, 0.01 μ F, +80%, -20%
C4307	24232103	CD, 0.01 μ F, +80%, -20%
C4311	24794471	EL, 470 μ F, $\pm$ 20%, 16V
C4401	24232103	CD, 0.01 μ F, +80%, -20%
C4402	24232103	CD, 0.01 μ F, +80%, -20%
C4403	24501561	PF, 560pF
C4404	24501132	PF, 1300pF
C4405	24797479	EL, 4.7 μ F, $\pm$ 20%, 50V
C4406	24232103	CD, 0.01 μ F, +80%, -20%
C4408	24766229	EL, 2.2 μ F, $\pm$ 20%, 50V
C4412	24501132	PF, 1300pF
C4413	24501102	PF, 1000pF
C4414	24232103	CD, 0.01 μ F, +80%, -20%
C4415	24567474	PF, 0.47 μ F
C4416	24501161	PF, 160pF
C4417	24590332	PF, 3300pF
C4421	24353330	CD, 33pF
CA13	24212101	CD, 100pF, $\pm$ 10%
CA30	24212101	CD, 100pF, $\pm$ 10%
CA33	24232103	CD, 0.01 μ F, +80%, -20%
CA37	24212101	CD, 100pF, $\pm$ 10%
CA38	24212101	CD, 100pF, $\pm$ 10%
CA42	24794100	EL, 10 μ F, $\pm$ 20%, 16V
CA43	24232103	CD, 0.01 μ F, +80%, -20%
CA44	24232103	CD, 0.01 μ F, +80%, -20%
CA68	24794100	EL, 10 μ F, $\pm$ 20%, 16V
CA69	24232103	CD, 0.01 μ F, +80%, -20%
CB01	24794470	EL, 47 μ F, $\pm$ 20%, 16V
CC10	24474101	CD, 100pF, $\pm$ 10%
CF03	24567104	PF, 0.1 μ F
CF04	24766101	PF, 0.1 μ F
CF05	24766101	PF, 0.1 μ F
CF06	24353220	CD, 22pF
CF07	24353220	CD, 22pF
CF08	24567104	PF, 0.1 μ F
CF09	24567104	PF, 0.1 μ F
CF10	24206100	EL, 10 μ F, 50V
CF11	24567104	PF, 0.1 μ F
CF12	24232103	CD, 0.01 μ F, +80%, -20%
CF14	24232103	CD, 0.01 μ F, +80%, -20%
CG01	24538124	PF, 0.12 μ F
CG02	24538104	PF, 0.1 μ F
CG03	24590823	PF, 0.082 μ F
CG04	24797010	EL, 1 μ F, $\pm$ 20%, 50V

Location No.	Part No.	Description
CG05	24794220	EL, 22 μ F, $\pm$ 20%, 16V
CG07	24797010	EL, 1 μ F, $\pm$ 20%, 50V
CG08	24797010	EL, 1 μ F, $\pm$ 20%, 50V
CG09	24797010	EL, 1 μ F, $\pm$ 20%, 50V
CG10	24232103	CD, 0.01 μ F, +80%, -20%
CG11	24232103	CD, 0.01 μ F, +80%, -20%
CG12	24591273	PF, 0.027 μ F
CG13	24232103	CD, 0.01 μ F, +80%, -20%
CG14	24794101	EL, 100 μ F, $\pm$ 20%, 16V
CG15	24590822	PF, 8200pF
CG16	24797010	EL, 1 μ F, $\pm$ 20%, 50V
CG17	24591273	PF, 0.027 μ F
CG18	24590822	PF, 8200pF
CG21	24590273	PF, 0.027 μ F
CG22	24797010	EL, 1 μ F, $\pm$ 20%, 50V
CG23	24590822	PF, 8200pF
CG24	24797100	EL, 10 μ F, $\pm$ 20%, 50V
CG25	24212102	CD, 1000pF, $\pm$ 10%
CG26	24797100	EL, 10 μ F, $\pm$ 20%, 50V
CG27	24797229	EL, 2.2 μ F, $\pm$ 20%, 50V
CG28	24797229	EL, 2.2 μ F, $\pm$ 20%, 50V
CQ02	24353820	CD, 82pF
CQ03	24212102	CD, 1000pF, $\pm$ 10%
CQ04	24794100	EL, 10 μ F, $\pm$ 20%, 16V
CQ05	24590563	PF, 0.056 μ F
CQ07	24590203	PF, 0.02 μ F
CQ08	24590683	PF, 0.068 μ F
CQ09	24797229	EL, 2.2 μ F, $\pm$ 20%, 50V
CQ10	24590223	PF, 0.022 μ F
CQ11	24797229	EL, 2.2 μ F, $\pm$ 20%, 50V
CQ12	24436910	CD, 91pF
CQ13	24590104	PF, 0.1 μ F
CQ14	24590104	PF, 0.1 μ F
CQ15	24794101	EL, 100 μ F, $\pm$ 20%, 16V
CQ16	24232103	CD, 0.01 μ F, +80%, -20%
CQ17	24353150	CD, 15pF
CQ18	24436910	CD, 91pF
CQ19	24590103	PF, 0.01 μ F
CQ20	24538104	PF, 0.1 μ F
CQ21	24794470	EL, 47 μ F, $\pm$ 20%, 16V
CQ22	24232103	CD, 0.01 μ F, +80%, -20%
CQ23	24538104	PF, 0.1 μ F
CQ24	24538104	PF, 0.1 μ F
CQ25	24797100	EL, 10 μ F, $\pm$ 20%, 50V
CQ26	24538104	PF, 0.1 μ F
CQ27	24538104	PF, 0.1 μ F
CQ28	24797478	EL, 0.47 μ F, $\pm$ 20%, 50V
CQ29	24794101	EL, 100 μ F, $\pm$ 20%, 16V
CQ30	24232103	CD, 0.01 μ F, +80%, -20%
CQ31	24797478	EL, 0.47 μ F, $\pm$ 20%, 50V
CQ32	24590103	PF, 0.01 μ F
CQ33	24538104	PF, 0.1 μ F
CQ34	24538104	PF, 0.1 μ F
CQ35	24206478	EL, 0.47 μ F, 50V
CQ36	24206478	EL, 0.47 μ F, 50V
CQ37	24797010	EL, 1 μ F, $\pm$ 20%, 50V
CQ38	24797010	EL, 1 μ F, $\pm$ 20%, 50V
CQ39	24797010	EL, 1 μ F, $\pm$ 20%, 50V
CQ40	24436910	CD, 91pF
CQ45	24212102	CD, 1000pF, $\pm$ 10%
CQ46	24212102	CD, 1000pF, $\pm$ 10%
CR12	24538104	PF, 0.1 μ F
CR13	24538104	PF, 0.1 μ F
CR14	24538104	PF, 0.1 μ F

Location No.	Part No.	Description
CR21	24232103	CD, 0.01 μ F, +80%, -20%
CR22	24203470	EL, 47 μ F, $\pm$ 20%, 16V
CR23	24794101	EL, 100 μ F, $\pm$ 20%, 16V
CR24	24794101	EL, 100 μ F, $\pm$ 20%, 16V
CR25	24794101	EL, 100 μ F, $\pm$ 20%, 16V
CR26	24591223	PF, 0.022 μ F
CR27	24591223	PF, 0.022 μ F
CR28	24591223	PF, 0.022 μ F
CR29	24794100	EL, 10 μ F, $\pm$ 20%, 16V
CR30	24591223	PF, 0.022 μ F
CR31	24591223	PF, 0.022 μ F
CR32	24591223	PF, 0.022 μ F
CR33	24232103	CD, 0.01 μ F, +80%, -20%
CR35	24794470	EL, 47 μ F, $\pm$ 20%, 16V
CR36	24232103	CD, 0.01 μ F, +80%, -20%
CS01	24085944	EL, 2.2 μ F, $\pm$ 20%, 50V, Non-Polar
CS02	24085944	EL, 2.2 μ F, $\pm$ 20%, 50V, Non-Polar
CS03	24206229	EL, 2.2 μ F, 50V
CS04	24206229	EL, 2.2 μ F, 50V
CS05	24206229	EL, 2.2 μ F, 50V
CS06	24206229	EL, 2.2 μ F, 50V
CS07	24206229	EL, 2.2 μ F, 50V
CS08	24206229	EL, 2.2 μ F, 50V
CS09	24206010	EL, 1 μ F, 50V
CS12	24474102	CD, 1000pF, $\pm$ 10%
CS13	24474102	CD, 1000pF, $\pm$ 10%
CS14	24206100	EL, 10 μ F, 50V
CS15	24206100	EL, 10 μ F, 50V
CS17	24666100	EL, 10 μ F, $\pm$ 20%, 16V
CS18	24666100	EL, 10 μ F, $\pm$ 20%, 16V
CS19	24206478	EL, 0.47 μ F, 50V
CS22	24666100	EL, 10 μ F, $\pm$ 20%, 16V
CS23	24666100	EL, 10 μ F, $\pm$ 20%, 16V
CV01	24590103	PF, 0.01 μ F
CV02	24085970	EL, 10 μ F, $\pm$ 20%, 16V, Non-Polar
CV03	24666100	EL, 10 μ F, $\pm$ 20%, 16V
CV04	24666100	EL, 10 μ F, $\pm$ 20%, 16V
CV05	24232103	CD, 0.01 μ F, +80%, -20%
CV06	24666100	EL, 10 μ F, $\pm$ 20%, 16V
CV08	24763102	EL, 1000 μ F, $\pm$ 20%, 16V
CV09	24666100	EL, 10 μ F, $\pm$ 20%, 16V
CV10	24085970	EL, 10 μ F, $\pm$ 20%, 16V, Non-Polar
CV11	24436331	CD, 330pF
CV12	24092398	CD, 0.1 μ F, +80%, -20%
CV13	24232103	CD, 0.01 μ F, +80%, -20%
CV14	24474102	CD, 1000pF, $\pm$ 10%
CV15	24474102	CD, 1000pF, $\pm$ 10%
CV16	24474102	CD, 1000pF, $\pm$ 10%
CV17	24474102	CD, 1000pF, $\pm$ 10%
CV18	24474102	CD, 1000pF, $\pm$ 10%
CV19	24474102	CD, 1000pF, $\pm$ 10%
CV20	24353330	CD, 33pF
CV23	24666101	EL, 100 μ F, $\pm$ 20%, 16V
CV24	24232103	CD, 0.01 μ F, +80%, -20%
CV25	24763471	EL, 470 μ F, $\pm$ 20%, 16V
CV35	24212102	CD, 1000pF, $\pm$ 10%
CV37	24474102	CD, 1000pF, $\pm$ 10%
CV39	24666101	EL, 100 μ F, $\pm$ 20%, 16V
CV40	24232103	CD, 0.01 μ F, +80%, -20%
CV42	24206229	EL, 2.2 μ F, 50V

Location No.	Part No.	Description
CV46	24212332	CD, 3300pF, $\pm$ 10%
CV47	24212332	CD, 3300pF, $\pm$ 10%
CV48	24212102	CD, 1000pF, $\pm$ 10%
CV50	24232103	CD, 0.01 μ F, +80%, -20%
CV65	24203101	EL, 100 μ F, $\pm$ 20%, 16V
CV66	24203101	EL, 100 μ F, $\pm$ 20%, 16V
CV67	24763471	EL, 470 μ F, $\pm$ 20%, 16V
CV68	24763471	EL, 470 μ F, $\pm$ 20%, 16V
CV77	24666100	EL, 10 μ F, $\pm$ 20%, 16V
CV80	24232103	CD, 0.01 μ F, +80%, -20%
CX201	24774100	Chip, 10pF, $\pm$ 0.5pF, CH
CX202	24774101	Chip, 100pF, CH
CX203	24774101	Chip, 100pF, CH
CX204	24794221	EL, 220 μ F, $\pm$ 20%, 16V
CX205	24092294	Chip, 0.33 μ F, +80%, -20%, 16V
CX207	24774101	Chip, 100pF, CH
CX208	24774271	Chip, 270pF, CH
CX209	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX210	24774101	Chip, 100pF, CH
CX211	24774271	Chip, 270pF, CH
CX212	24665471	EL, 470 μ F, $\pm$ 20%, 10V
CX213	24092294	Chip, 0.33 μ F, +80%, -20%, 16V
CX214	24814103	Chip, 0.01 μ F, +80%, -20%
CX215	24797479	EL, 4.7 μ F, $\pm$ 20%, 50V
CX216	24814103	Chip, 0.01 μ F, +80%, -20%
CX217	24092294	Chip, 0.33 μ F, +80%, -20%, 16V
CX218	24797479	EL, 4.7 μ F, $\pm$ 20%, 50V
CX219	24092441	Chip, 1 μ F, +80%, -20%, 16V
CX220	24797479	EL, 4.7 μ F, $\pm$ 20%, 50V
CX221	24092294	Chip, 0.33 μ F, +80%, -20%, 16V
CX222	24092294	Chip, 0.33 μ F, +80%, -20%, 16V
CX223	24815473	Chip, 0.047 μ F, 10%
CX224	24665471	EL, 470 μ F, $\pm$ 20%, 10V
CX225	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX227	24665471	EL, 470 μ F, $\pm$ 20%, 10V
CX228	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX229	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX230	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX231	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX232	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX233	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX235	24665221	EL, 220 μ F, $\pm$ 20%, 10V
CX236	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX237	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX238	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX239	24794100	EL, 10 μ F, $\pm$ 20%, 16V
CX240	24774560	Chip, 56pF, CH
CX241	24774100	Chip, 10pF, $\pm$ 0.5pF, CH
CX242	24794100	EL, 10 μ F, $\pm$ 20%, 16V
CX243	24774560	Chip, 56pF, CH
CX244	24774100	Chip, 10pF, $\pm$ 0.5pF, CH
CX245	24794100	EL, 10 μ F, $\pm$ 20%, 16V
CX246	24774560	Chip, 56pF, CH
CX247	24774100	Chip, 10pF, $\pm$ 0.5pF, CH
CX248	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX249	24794221	EL, 220 μ F, $\pm$ 20%, 16V
CX252	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX253	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX254	24774120	Chip, 12pF, CH
CX255	24774120	Chip, 12pF, CH
CX256	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX257	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX258	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX259	24092293	Chip, 0.1 μ F, +80%, -20%, 25V

Location No.	Part No.	Description
CX260	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX261	24092441	Chip, 1 μ F, +80%, -20%, 16V
CX262	24797010	EL, 1 μ F, $\pm$ 20%, 50V
CX263	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX265	24092441	Chip, 1 μ F, +80%, -20%, 16V
CX266	24794100	EL, 10 μ F, $\pm$ 20%, 16V
CX267	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX272	24774470	Chip, 47pF, CH
CX273	24774470	Chip, 47pF, CH
CX277	24774060	Chip, 6pF, $\pm$ 0.5pF
CX278	24774330	Chip, 33pF
CX279	24774330	Chip, 33pF
CX280	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX301	24781220	Chip, 22pF, SL
CX302	24781820	Chip, 82pF, SL
CX303	24781820	Chip, 82pF, SL
CX304	24781220	Chip, 22pF, SL
CX305	24781220	Chip, 22pF, SL
CX306	24781220	Chip, 22pF, SL
CX307	24794221	EL, 220 μ F, $\pm$ 20%, 16V
CX308	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX309	24665471	EL, 470 μ F, $\pm$ 20%, 10V
CX310	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX311	24781330	Chip, 33pF, SL
CX312	24781330	Chip, 33pF, SL
CX313	24781221	Chip, 220pF, SL
CX314	24774120	Chip, 12pF, CH
CX315	24781221	Chip, 220pF, SL
CX316	24781221	Chip, 220pF, SL
CX317	24781221	Chip, 220pF, SL
CX318	24781221	Chip, 220pF, SL
CX319	24794470	EL, 47 μ F, $\pm$ 20%, 16V
CX320	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX322	24781122	Chip, 1200pF
CX323	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX325	24781122	Chip, 1200pF
CX326	24781330	Chip, 33pF, SL
CX327	24781221	Chip, 220pF, SL
CZ07	24206229	EL, 2.2 μ F, 50V
CZ08	24203100	EL, 10 μ F, $\pm$ 20%, 16V
CZ09	24436220	CD, 22pF
CZ10	24473180	CD, 18pF
CZ11	24473100	CD, 10pF
CZ12	24232103	CD, 0.01 μ F, +80%, -20%
CZ13	24092398	CD, 0.1 μ F, +80%, -20%
CZ14	24617816	EL, 10 μ F, $\pm$ 20%, 50V
CZ15	24232103	CD, 0.01 μ F, +80%, -20%
CZ16	24206478	EL, 0.47 μ F, 50V
CZ17	24232103	CD, 0.01 μ F, +80%, -20%
CZ19	24436181	CD, 180pF
CZ20	24538103	PF, 0.01 μ F
CZ21	24436390	CD, 39pF
CZ22	24617816	EL, 10 μ F, $\pm$ 20%, 50V
CZ23	24092398	CD, 0.1 μ F, +80%, -20%
CZ24	24092398	CD, 0.1 μ F, +80%, -20%
CZ25	24203101	EL, 100 μ F, $\pm$ 20%, 16V
CZ26	24232103	CD, 0.01 μ F, +80%, -20%
CZ28	24232103	CD, 0.01 μ F, +80%, -20%
CZ29	24092398	CD, 0.1 μ F, +80%, -20%
CZ30	24617816	EL, 10 μ F, $\pm$ 20%, 50V
CZ32	24436120	CD, 12pF
CZ33	24436120	CD, 12pF
CZ34	24473120	CD, 12pF
CZ35	24473120	CD, 12pF

Location No.	Part No.	Description
CZ36	24232103	CD, 0.01 μ F, +80%, -20%
CZ37	24092398	CD, 0.1 μ F, +80%, -20%
CZ38	24092398	CD, 0.1 μ F, +80%, -20%
CZ43	24232103	CD, 0.01 μ F, +80%, -20%
CZ45	24436100	CD, 10pF, $\pm$ 0.25pF
RESISTORS		
R101	24382223	OMF, 22k ohm, 1W
R201	24366681	CF, 680 ohm
R202	24366821	CF, 820 ohm
R204	24366104	CF, 100k ohm
R205	24366101	CF, 100 ohm
R206	24366222	CF, 2200 ohm
R207	24366101	CF, 100 ohm
R208(U903)	24366103	CF, 10k ohm
R208(U902A)	24366101	CF, 100 ohm
R209(U903)	24366103	CF, 10k ohm
R209(U902A)	24366101	CF, 100 ohm
R211	24366563	CF, 56k ohm
R215	24366102	CF, 1k ohm
R216	24366103	CF, 10k ohm
R217(U903)	24366102	CF, 1k ohm
R217(U902A)	24366101	CF, 100 ohm
R218	24366513	CF, 51k ohm
R220	24366102	CF, 1k ohm
R221	24366102	CF, 1k ohm
R223	24366102	CF, 1k ohm
R226	24366101	CF, 100 ohm
R227	24367223	CF, 22k ohm, $\pm$ 2%
R229	24366472	CF, 4700 ohm
R232	24366103	CF, 10k ohm
R233	24366104	CF, 100k ohm
R234	24366271	CF, 270 ohm
R235	24366472	CF, 4700 ohm
R236	24366102	CF, 1k ohm
R237	24366103	CF, 10k ohm
R303	24321109	MF, 1 ohm, 1/2W
R304	24366153	CF, 15k ohm
R305	24322119	MF, 1.1 ohm, 1W
R306	24366222	CF, 2200 ohm
R307	24366621	CF, 620 ohm
R308	24366472	CF, 4700 ohm
R309	24366333	CF, 33k ohm
R310	24366102	CF, 1k ohm
R313	24366303	CF, 30k ohm
R314	24366105	CF, 1M ohm
R315	24366105	CF, 1M ohm
R316	24366154	CF, 150k ohm
R317	24366472	CF, 4700 ohm
R318	24366471	CF, 470 ohm
R319	24366471	CF, 470 ohm
R320	24366101	CF, 100 ohm
R321	24366103	CF, 10k ohm
R322	24366102	CF, 1k ohm
R323	24366103	CF, 10k ohm
R324	24366122	CF, 1200 ohm
R325(U902A)	24366103	CF, 10k ohm
R325(U905C)	24366103	CF, 10k ohm
R326	24366104	CF, 100k ohm
R327	24339159	MF, 1.5 ohm, 2W
R328	24366102	CF, 1k ohm
R329	24366103	CF, 10k ohm
R330	24366113	CF, 11k ohm
R331	24366104	CF, 100k ohm

Location No.	Part No.	Description
R334	24366472	CF, 4700 ohm
R335	24366102	CF, 1k ohm
R336	24383271	OMF, 270 ohm, 2W
R341	24366153	CF, 15k ohm
R343	24366153	CF, 15k ohm
R344	24383821	OMF, 820 ohm, 2W
R360	24366103	CF, 10k ohm
R370	24322828	OMF, 0.82 ohm, 1W
R371	24366562	CF, 5600 ohm
R372	24366392	CF, 3900 ohm
R373	24366182	CF, 1800 ohm
R374	24366153	CF, 15k ohm
R401	24366391	CF, 390 ohm
R402(U902A)	24366103	CF, 10k ohm
R402(U905C)	24366103	CF, 10k ohm
R403	24366302	CF, 3k ohm
R405	24553682	OMF, 6800 ohm, 1W
R407	24366103	CF, 10k ohm
R408	24366150	CF, 15 ohm
R409	24000211	FR, 15 ohm, 1/2W
R411	24366560	CF, 56 ohm
R414	24383220	OMF, 22 ohm, 2W
R415	24553561	OMF, 560 ohm, 1W
R416	24381563	OMF, 56k ohm, 1/2W
R417	24510101	Cement, 100 ohm, 5W
R425	24552332	OMF, 3300 ohm, 1/2W
R426	24366821	CF, 820 ohm
R427	24366392	CF, 3900 ohm
R428	24366561	CF, 560 ohm
R429	24552560	OMF, 56 ohm, 1/2W
R436	24366101	CF, 100 ohm
R437	24366471	CF, 470 ohm
R441	24383561	OMF, 560 ohm, 2W
R460	24552332	OMF, 3300 ohm, 1/2W
R461	24552182	OMF, 1800 ohm, 1/2W
R463	24323229	MF, 2.2 ohm, 2W
R464	24366273	CF, 27k ohm
R465	24366114	CF, 110k ohm
R466	24366562	CF, 5600 ohm
R469	24531150	FR, 15 ohm, 1/2W
R470	24339518	MF, 0.51 ohm, 2W
R471	24531271	FR, 270 ohm, 1/2W
R473	24366473	CF, 47k ohm
R474	24366473	CF, 47k ohm
R478	24376333	CF, 33k ohm, 1/2W
R479	24531680	FR, 68 ohm, 1/2W
R480	24552222	OMF, 2200 ohm, 1/2W
R481	24366223	CF, 22k ohm
R482	24366103	CF, 10k ohm
R486	24382103	OMF, 10k ohm, 1W
R487	24366474	CF, 470k ohm
R488	24366154	CF, 150k ohm
R490	24366101	CF, 100 ohm
R501	24366223	CF, 22k ohm
R502	24366101	CF, 100 ohm
R503	24366101	CF, 100 ohm
R505	24366102	CF, 1k ohm
R506	24366103	CF, 10k ohm
R508	24366102	CF, 1k ohm
R509	24366102	CF, 1k ohm
R510	24366102	CF, 1k ohm
R511	24366101	CF, 100 ohm
R512	24366101	CF, 100 ohm
R513	24366472	CF, 4700 ohm

Location No.	Part No.	Description
R514	24366472	CF, 4700 ohm
R516	24366102	CF, 1k ohm
R517	24366102	CF, 1k ohm
R518	24366472	CF, 4700 ohm
R519	24366101	CF, 100 ohm
R520	24366103	CF, 10k ohm
R521	24366223	CF, 22k ohm
R522	24366473	CF, 47k ohm
R523	24366102	CF, 1k ohm
R524	24366102	CF, 1k ohm
R610	24366103	CF, 10k ohm
R611	24366103	CF, 10k ohm
R612	24366103	CF, 10k ohm
R661	24552221	OMF, 220 ohm, 1/2W
R662	24552221	OMF, 220 ohm, 1/2W
R670	24366272	CF, 2700 ohm
R671(U904)	24366102	CF, 1k ohm
R671(U902A)	24366222	CF, 2200 ohm
R672(U902A)	24366272	CF, 2700 ohm
R672(U904)	24366102	CF, 1k ohm
R673	24366222	CF, 2200 ohm
R674	24366332	CF, 3300 ohm
R675	24366392	CF, 3900 ohm
R676(U902A)	24366223	CF, 22k ohm
R676(U904)	24366223	CF, 22k ohm
R677(U902A)	24366223	CF, 22k ohm
R677(U904)	24366223	CF, 22k ohm
R678	24366223	CF, 22k ohm
R679	24366223	CF, 22k ohm
R680(U902A)	24366473	CF, 47k ohm
R680(U904)	24366223	CF, 22k ohm
R681	24366223	CF, 22k ohm
R682	24366104	CF, 100k ohm
R683	24366273	CF, 27k ohm
R684	24366229	CF, 2.2 ohm
R685	24366229	CF, 2.2 ohm
R686	24366229	CF, 2.2 ohm
R688	24366222	CF, 2200 ohm
R690	24366681	CF, 680 ohm
R691	24366681	CF, 680 ohm
R692	24366681	CF, 680 ohm
R693	24366681	CF, 680 ohm
R702	24552221	OMF, 220 ohm, 1/2W
R712	24366101	CF, 100 ohm
R715	24366393	CF, 39k ohm
R716	24366273	CF, 27k ohm
R717	24366333	CF, 33k ohm
R718	24366102	CF, 1k ohm
R722	24552471	OMF, 470 ohm, 1/2W
R723	24366151	CF, 150 ohm
R724	24366121	CF, 120 ohm
R725	24366182	CF, 1800 ohm
R730	24552100	OMF, 10 ohm, 1/2W
R731	24553331	OMF, 330 ohm, 1W
R732	24366220	CF, 22 ohm
R733	24366683	CF, 68k ohm
R734	24366220	CF, 22 ohm
R735	24366683	CF, 68k ohm
R736	24366560	CF, 56 ohm
R737	24366152	CF, 1500 ohm
R738	24366123	CF, 12k ohm
R739	24366152	CF, 1500 ohm
R740	24366560	CF, 56 ohm
R741	24366279	CF, 2.7 ohm

Location No.	Part No.	Description
R742	24366279	CF, 2.7 ohm
R743	24554101	OMF, 100 ohm, 2W
R744	24366122	CF, 1200 ohm
R745	24366122	CF, 1200 ohm
△R801	24009954	Metal-Glazed Resistor, 2.2M ohm, 1/2W
R802	24321568	MF, 0.56 ohm, 1/2W
R803	24382683	OMF, 68k ohm, 1W
R805	24366101	CF, 100 ohm
R806	24552392	OMF, 3900 ohm, 1/2W
△R808	24019340	PTC Thermistor, 18 ohm, 290V
R810	24007492	Cement, 2.2 ohm, 20W
R811	24568271	Cement, 270 ohm, 7W
R814	24366122	CF, 1200 ohm
R815	24552102	OMF, 1k ohm, 1/2W
R816	24323759	OMF, 7.5 ohm, 2W
R818	24322228	MF, 0.22 ohm, 1W
R819	24321829	MF, 8.2 ohm, 1/2W
R821	24366101	CF, 100 ohm
R822	24552103	OMF, 10k ohm, 1/2W
R823	24366272	CF, 2700 ohm
R824	24569101	Cement, 100 ohm, 10W
R825	24569100	Cement, 10 ohm, 10W
R827	24366681	CF, 680 ohm
R828	24366821	CF, 820 ohm
R829	24322228	MF, 0.22 ohm, 1W
R830	24366471	CF, 470 ohm
R831	24366471	CF, 470 ohm
R832	24366472	CF, 4700 ohm
R833	24366222	CF, 2200 ohm
R841	24531120	FR, 12 ohm, 1/2W
R842	24552392	OMF, 3900 ohm, 1/2W
R846	24366561	CF, 560 ohm
R847	24366472	CF, 4700 ohm
R890	24553333	OMF, 33k ohm, 1W
R899	24005007	Metal-Glazed Resistor, 8.2M ohm, 1W
R901	24376821	CF, 820 ohm, 1/2W
R902	24376821	CF, 820 ohm, 1/2W
R903	24376821	CF, 820 ohm, 1/2W
R904	24366472	CF, 4700 ohm
R905	24366150	CF, 15 ohm
R906	24366102	CF, 1k ohm
R907	24366102	CF, 1k ohm
R908	24366102	CF, 1k ohm
R909	24366222	CF, 2200 ohm
R910	24552121	OMF, 120 ohm, 1/2W
R912	24366102	CF, 1k ohm
R914	24366101	CF, 100 ohm
R915	24366560	CF, 56 ohm
R916	24366470	CF, 47 ohm
R917	24366271	CF, 270 ohm
R918	24366100	CF, 10 ohm
R919	24366102	CF, 1k ohm
R920	24000907	FR, 3.9 ohm, 1W
R921	24366101	CF, 100 ohm
R922	24366560	CF, 56 ohm
R924	24366100	CF, 10 ohm
R925	24366271	CF, 270 ohm
R926	24366102	CF, 1k ohm
R928	24366101	CF, 100 ohm
R929	24366560	CF, 56 ohm
R930	24366100	CF, 10 ohm

Location No.	Part No.	Description
R932	24366332	CF, 3300 ohm
R933	24366750	CF, 75 ohm
R934	24366391	CF, 390 ohm
R935	24366821	CF, 820 ohm
R936	24366750	CF, 75 ohm
R937	24366271	CF, 270 ohm
R939	24366101	CF, 100 ohm
R942	24366392	CF, 3900 ohm
R943	24366392	CF, 3900 ohm
R944	24366392	CF, 3900 ohm
R945	24366470	CF, 47 ohm
R946	24366470	CF, 47 ohm
R960	24383153	OMF, 15k ohm, 2W
R961	24383153	OMF, 15k ohm, 2W
R962	24383153	OMF, 15k ohm, 2W
R963	24383153	OMF, 15k ohm, 2W
R964	24383153	OMF, 15k ohm, 2W
R965	24383153	OMF, 15k ohm, 2W
R966	24383153	OMF, 15k ohm, 2W
R967	24383153	OMF, 15k ohm, 2W
R968	24383153	OMF, 15k ohm, 2W
R969	24366101	CF, 100 ohm
R970	24366101	CF, 100 ohm
R971	24366101	CF, 100 ohm
R977	24366681	CF, 680 ohm
R980	24366471	CF, 470 ohm
R981	24366821	CF, 820 ohm
R982	24366103	CF, 10k ohm
R983	24366222	CF, 2200 ohm
R984	24366152	CF, 1500 ohm
R985	24366471	CF, 470 ohm
R986	24366681	CF, 680 ohm
R987	24366681	CF, 680 ohm
R988	24366472	CF, 4700 ohm
R989	24366332	CF, 3300 ohm
R990	24366222	CF, 2200 ohm
R991	24366681	CF, 680 ohm
R992	24366150	CF, 15 ohm
R4034	24366332	CF, 3300 ohm
R4301	24366222	CF, 2200 ohm
R4302	24366103	CF, 10k ohm
R4303	24019090	MF, 330k ohm, 1%, 1/4W
R4305	24366681	CF, 680 ohm
R4306	24366472	CF, 4700 ohm
R4350	24066873	VR, 100k ohm, 0.3W
R4401	24366103	CF, 10k ohm
R4402	24366222	CF, 2200 ohm
R4403	24000639	MF, 22k ohm, ±1%, 1/4W
R4404	24000364	MF, 1800 ohm, ±1%, 1/4W
R4405	24000247	MF, 39k ohm, ±1%, 1/4W
R4406	24000356	MF, 820 ohm, ±1%, 1/4W
R4407	24000367	MF, 2400 ohm, ±1%, 1/4W
R4408	24000637	MF, 15k ohm, ±1%, 1/4W
R4409	24000361	MF, 1300 ohm, ±1%, 1/4W
R4410	24552470	OMF, 47 ohm, 1/2W
R4411	24366472	CF, 4700 ohm
R4412	24366103	CF, 10k ohm
R4413	24366751	CF, 750 ohm
R4420	24000639	MF, 22k ohm, ±1%, 1/4W
R4421	24366103	CF, 10k ohm
R4422	24366473	CF, 47k ohm
R4423	24366223	CF, 22k ohm
R4450	24066878	VR, 2k ohm, 0.3W
RA03	24366102	CF, 1k ohm

Location No.	Part No.	Description
RA04	24366102	CF, 1k ohm
RA05	24366102	CF, 1k ohm
RA07	24366102	CF, 1k ohm
RA08	24366102	CF, 1k ohm
RA09	24366102	CF, 1k ohm
RA10	24366102	CF, 1k ohm
RA11	24366102	CF, 1k ohm
RA12	24366473	CF, 47k ohm
RA13	24366153	CF, 15k ohm
RA16	24366102	CF, 1k ohm
RA17	24366102	CF, 1k ohm
RA18	24366102	CF, 1k ohm
RA27	24366102	CF, 1k ohm
RA33	24366102	CF, 1k ohm
RA35	24366102	CF, 1k ohm
RA36	24366472	CF, 4700 ohm
RA37	24366101	CF, 100 ohm
RA38	24366101	CF, 100 ohm
RA61	24366103	CF, 10k ohm
RA62	24366103	CF, 10k ohm
RA63	24366103	CF, 10k ohm
RA64	24366103	CF, 10k ohm
RA67	24366472	CF, 4700 ohm
RA68	24366472	CF, 4700 ohm
RA70	24366333	CF, 33k ohm
RA71	24366683	CF, 68k ohm
RA72	24366223	CF, 22k ohm
RA73	24366103	CF, 10k ohm
RA75	24366333	CF, 33k ohm
RA76	24366103	CF, 10k ohm
RA77	24366472	CF, 4700 ohm
RB01	24366271	CF, 270 ohm
RB02	24366271	CF, 270 ohm
RB03	24366101	CF, 100 ohm
RB09	24366470	CF, 47 ohm
RB10	24366101	CF, 100 ohm
RB11	24366103	CF, 10k ohm
RB30	24366103	CF, 10k ohm
RB40	24366103	CF, 10k ohm
RB41	24366182	CF, 1800 ohm
RB42	24366102	CF, 1k ohm
RB43	24366103	CF, 10k ohm
RB44	24366103	CF, 10k ohm
RB45	24366101	CF, 100 ohm
RF04	24366102	CF, 1k ohm
RF06	24366102	CF, 1k ohm
RF08	24366100	CF, 10 ohm
RF09	24366100	CF, 10 ohm
RF10	24366100	CF, 10 ohm
RF11	24366103	CF, 10k ohm
RF12	24366101	CF, 100 ohm
RF13	24366101	CF, 100 ohm
RF14	24366101	CF, 100 ohm
RF15	24366103	CF, 10k ohm
RF16	24366471	CF, 470 ohm
RF20	24366472	CF, 4700 ohm
RF21	24366102	CF, 1k ohm
RF22	24366102	CF, 1k ohm
RF26	24366102	CF, 1k ohm
RF35	24366151	CF, 150 ohm
RF36	24366151	CF, 150 ohm
RF37	24366151	CF, 150 ohm
RG01	24366223	CF, 22k ohm
RG02	24366223	CF, 22k ohm

Location No.	Part No.	Description
RG03	24366101	CF, 100 ohm
RG04	24366101	CF, 100 ohm
RG05	24366101	CF, 100 ohm
RG07	24366101	CF, 100 ohm
RG08	24366101	CF, 100 ohm
RG09	24366123	CF, 12k ohm
RG10	24366303	CF, 30k ohm
RG11	24366123	CF, 12k ohm
RG12	24366303	CF, 30k ohm
RG13	24366102	CF, 1k ohm
RQ01	24366102	CF, 1k ohm
RQ02	24366475	CF, 4.7M ohm
RQ03	24366102	CF, 1k ohm
RQ04	24366511	CF, 510 ohm
RQ05	24366471	CF, 470 ohm
RQ06	24366471	CF, 470 ohm
RQ07	24366103	CF, 10k ohm
RQ08	24366102	CF, 1k ohm
RQ09	24366102	CF, 1k ohm
RQ10	24366102	CF, 1k ohm
RQ11	24366561	CF, 560 ohm
RQ12	24366561	CF, 560 ohm
RQ13	24366203	CF, 20k ohm
RQ14	24366273	CF, 27k ohm
RR21	24366102	CF, 1k ohm
RR22	24366102	CF, 1k ohm
RR23	24366562	CF, 5600 ohm
RR24	24366332	CF, 3300 ohm
RR25	24366362	CF, 3600 ohm
RR27	24366202	CF, 2k ohm
RR29	24366101	CF, 100 ohm
RR30	24366101	CF, 100 ohm
RR33	24366101	CF, 100 ohm
RR34	24366102	CF, 1k ohm
RR35	24366102	CF, 1k ohm
RR36	24366103	CF, 10k ohm
RR38	24366222	CF, 2200 ohm
RR39	24366222	CF, 2200 ohm
RR40	24366471	CF, 470 ohm
RR41	24366473	CF, 47k ohm
RR42	24366101	CF, 100 ohm
RR43	24366101	CF, 100 ohm
RR44	24366101	CF, 100 ohm
RR50	24366101	CF, 100 ohm
RR51	24366101	CF, 100 ohm
RR52	24366101	CF, 100 ohm
RS01	24366681	CF, 680 ohm
RS02	24366681	CF, 680 ohm
RS03	24366101	CF, 100 ohm
RS04	24366101	CF, 100 ohm
RS05	24366472	CF, 4700 ohm
RS06	24366472	CF, 4700 ohm
RS07	24366472	CF, 4700 ohm
RS08	24366472	CF, 4700 ohm
RS09	24366472	CF, 4700 ohm
RS10	24366472	CF, 4700 ohm
RS11	24366101	CF, 100 ohm
RS13	24366101	CF, 100 ohm
RS14	24366101	CF, 100 ohm
RS15	24366104	CF, 100k ohm
RS16	24366104	CF, 100k ohm
RS17	24366223	CF, 22k ohm
RS18	24366223	CF, 22k ohm
RS19	24366102	CF, 1k ohm

Location No.	Part No.	Description
RS20	24366102	CF, 1k ohm
RS21	24366222	CF, 2200 ohm
RS22	24366222	CF, 2200 ohm
RS23	24366101	CF, 100 ohm
RS24	24366101	CF, 100 ohm
RS27	24366104	CF, 100k ohm
RS28	24366104	CF, 100k ohm
RS29	24366223	CF, 22k ohm
RS30	24366223	CF, 22k ohm
RS31	24366103	CF, 10k ohm
RS32	24366104	CF, 100k ohm
RS35	24366223	CF, 22k ohm
RS36	24366223	CF, 22k ohm
RS37	24366104	CF, 100k ohm
RS38	24366104	CF, 100k ohm
RS43	24366681	CF, 680 ohm
RS44	24366681	CF, 680 ohm
RS45	24366681	CF, 680 ohm
RS46	24366681	CF, 680 ohm
RV01	24366101	CF, 100 ohm
RV02	24366101	CF, 100 ohm
RV03	24366101	CF, 100 ohm
RV04	24366101	CF, 100 ohm
RV05	24366101	CF, 100 ohm
RV06	24366101	CF, 100 ohm
RV07	24366162	CF, 1600 ohm
RV08	24366162	CF, 1600 ohm
RV09	24366101	CF, 100 ohm
RV10	24366101	CF, 100 ohm
RV12	24366681	CF, 680 ohm
RV13	24366681	CF, 680 ohm
RV16	24366471	CF, 470 ohm
RV18	24366123	CF, 12k ohm
RV19	24366101	CF, 100 ohm
RV20	24366101	CF, 100 ohm
RV21	24366221	CF, 220 ohm
RV22	24366680	CF, 68 ohm
RV23	24552101	OMF, 100 ohm, 1/2W
RV25	24366101	CF, 100 ohm
RV26	24366181	CF, 180 ohm
RV27	24366750	CF, 75 ohm
RV28	24366683	CF, 68k ohm
RV29	24366273	CF, 27k ohm
RV30	24366750	CF, 75 ohm
RV32	24366750	CF, 75 ohm
RV33	24366123	CF, 12k ohm
RV34	24366123	CF, 12k ohm
RV35	24366103	CF, 10k ohm
RV36	24366101	CF, 100 ohm
RV40	24366471	CF, 470 ohm
RV41	24366104	CF, 100k ohm
RV42	24366471	CF, 470 ohm
RV43	24366471	CF, 470 ohm
RV44	24366471	CF, 470 ohm
RV45	24366100	CF, 10 ohm
RV46	24366112	CF, 1100 ohm
RV47	24366102	CF, 1k ohm
RV48	24366102	CF, 1k ohm
RV49	24366102	CF, 1k ohm
RV60	24366471	CF, 470 ohm
RV61	24552101	OMF, 100 ohm, 1/2W
RV62	24366101	CF, 100 ohm
RV63	24552820	OMF, 82 ohm, 1/2W
RV64	24366750	CF, 75 ohm

Location No.	Part No.	Description
RV65	24552101	OMF, 100 ohm, 1/2W
RV66	24366101	CF, 100 ohm
RV67	24552820	OMF, 82 ohm, 1/2W
RV68	24366750	CF, 75 ohm
RV69	24366101	CF, 100 ohm
RV75	24366332	CF, 3300 ohm
RV76	24366220	CF, 22 ohm
RV77	24366182	CF, 1800 ohm
RV80	24366102	CF, 1k ohm
RV81(U904)	24366750	CF, 75 ohm
RV81(U902A)	24366472	CF, 4700 ohm
RV82	24366153	CF, 15k ohm
RV83	24366103	CF, 10k ohm
RV85(U904)	24366750	CF, 75 ohm
RV85(U902A)	24366750	CF, 75 ohm
RV86	24366750	CF, 75 ohm
RV87(U904)	24366750	CF, 75 ohm
RV87(U902A)	24366750	CF, 75 ohm
RV89	24366750	CF, 75 ohm
RV90	24366681	CF, 680 ohm
RV91	24366681	CF, 680 ohm
RV92	24366100	CF, 10 ohm
RV93	24366104	CF, 100k ohm
RV94	24366103	CF, 10k ohm
RV95	24366222	CF, 2200 ohm
RX201	24872470	Chip, 47 ohm, 1/16W
RX202	24872122	Chip, 1200 ohm, 1/16W
RX203	24872151	Chip, 150 ohm, 1/16W
RX204	24872392	Chip, 3900 ohm, 1/16W
RX205	24872103	Chip, 10k ohm, 1/16W
RX206	24871331	Chip, 330 ohm, 1/8W
RX207	24872220	Chip, 22 ohm, 1/16W
RX208	24872511	Chip, 510 ohm, 1/16W
RX209	24872151	Chip, 150 ohm, 1/16W
RX210	24872122	Chip, 1200 ohm, 1/16W
RX211	24872221	Chip, 220 ohm, 1/16W
RX212	24871561	Chip, 560 ohm, 1/8W
RX213	24872220	Chip, 22 ohm, 1/16W
RX214	24872511	Chip, 510 ohm, 1/16W
RX215	24872331	Chip, 330 ohm, 1/16W
RX216	24872122	Chip, 1200 ohm, 1/16W
RX217	24872221	Chip, 220 ohm, 1/16W
RX218	24871561	Chip, 560 ohm, 1/8W
RX219	24872220	Chip, 22 ohm, 1/16W
RX220	24872101	Chip, 100 ohm, 1/16W
RX221	24872153	Chip, 15k ohm, 1/16W
RX222	24872390	Chip, 39 ohm, 1/16W
RX223	24872103	Chip, 10k ohm, 1/16W
RX224	24872103	Chip, 10k ohm, 1/16W
RX225	24872122	Chip, 1200 ohm, 1/16W
RX226	24872271	Chip, 270 ohm, 1/16W
RX227	24872222	Chip, 2200 ohm, 1/16W
RX228	24871471	Chip, 470 ohm, 1/8W
RX229	24872680	Chip, 68 ohm, 1/16W
RX230	24872430	Chip, 43 ohm, 1/16W
RX232	24872103	Chip, 10k ohm, 1/16W
RX233	24872103	Chip, 10k ohm, 1/16W
RX234	24872122	Chip, 1200 ohm, 1/16W
RX235	24872271	Chip, 270 ohm, 1/16W
RX236	24872222	Chip, 2200 ohm, 1/16W
RX237	24871471	Chip, 470 ohm, 1/8W
RX238	24872680	Chip, 68 ohm, 1/16W
RX239	24872470	Chip, 47 ohm, 1/16W
RX241	24872103	Chip, 10k ohm, 1/16W

Location No.	Part No.	Description
RX242	24872103	Chip, 10k ohm, 1/16W
RX243	24872122	Chip, 1200 ohm, 1/16W
RX244	24872271	Chip, 270 ohm, 1/16W
RX245	24872222	Chip, 2200 ohm, 1/16W
RX246	24871471	Chip, 470 ohm, 1/8W
RX247	24872680	Chip, 68 ohm, 1/16W
RX248	24872272	Chip, 2700 ohm, 1/16W
RX249	24872392	Chip, 3900 ohm, 1/16W
RX250	24872222	Chip, 2200 ohm, 1/16W
RX251	24872682	Chip, 6800 ohm, 1/16W
RX252	24872102	Chip, 1k ohm, 1/16W
RX253	24872103	Chip, 10k ohm, 1/16W
RX254	24872103	Chip, 10k ohm, 1/16W
RX255	24872103	Chip, 10k ohm, 1/16W
RX256	24872103	Chip, 10k ohm, 1/16W
RX257	24872103	Chip, 10k ohm, 1/16W
RX258	24872103	Chip, 10k ohm, 1/16W
RX259	24872472	Chip, 4700 ohm, 1/16W
RX261	24872103	Chip, 10k ohm, 1/16W
RX262	24872103	Chip, 10k ohm, 1/16W
RX263	24872103	Chip, 10k ohm, 1/16W
RX264	24872103	Chip, 10k ohm, 1/16W
RX266	24872472	Chip, 4700 ohm, 1/16W
RX267	24872472	Chip, 4700 ohm, 1/16W
RX268	24872472	Chip, 4700 ohm, 1/16W
RX269	24872472	Chip, 4700 ohm, 1/16W
RX270	24872472	Chip, 4700 ohm, 1/16W
RX271	24872472	Chip, 4700 ohm, 1/16W
RX272	24872472	Chip, 4700 ohm, 1/16W
RX273	24872472	Chip, 4700 ohm, 1/16W
RX274	24872472	Chip, 4700 ohm, 1/16W
RX277	24872103	Chip, 10k ohm, 1/16W
RX278	24872103	Chip, 10k ohm, 1/16W
RX279	24872103	Chip, 10k ohm, 1/16W
RX280	24872103	Chip, 10k ohm, 1/16W
RX281	24872103	Chip, 10k ohm, 1/16W
RX283	24872103	Chip, 10k ohm, 1/16W
RX284	24872472	Chip, 4700 ohm, 1/16W
RX285	24872102	Chip, 1k ohm, 1/16W
RX286	24872222	Chip, 2200 ohm, 1/16W
RX287	24872102	Chip, 1k ohm, 1/16W
RX288	24872332	Chip, 3300 ohm, 1/16W
RX289	24872102	Chip, 1k ohm, 1/16W
RX290	24872681	Chip, 680 ohm, 1/16W
RX291	24872332	Chip, 3300 ohm, 1/16W
RX295	24872333	Chip, 33k ohm, 1/16W
RX296	24872470	Chip, 47 ohm, 1/16W
RX299	24872103	Chip, 10k ohm, 1/16W
RX300	24872512	Chip, 5100 ohm, 1/16W
RX301	24872471	Chip, 470 ohm, 1/16W
RX302	24872471	Chip, 470 ohm, 1/16W
RX303	24872471	Chip, 470 ohm, 1/16W
RX304	24872222	Chip, 2200 ohm, 1/16W
RX305	24872470	Chip, 47 ohm, 1/16W
RX307	24872103	Chip, 10k ohm, 1/16W
RX308	24872561	Chip, 560 ohm, 1/16W
RX309	24872181	Chip, 180 ohm, 1/16W
RZ01	24366471	CF, 470 ohm
RZ02	24366152	CF, 1500 ohm
RZ04	24366332	CF, 3300 ohm
RZ05	24366332	CF, 3300 ohm
RZ06	24366821	CF, 820 ohm
RZ07	24366822	CF, 8200 ohm
RZ08	24366332	CF, 3300 ohm

Location No.	Part No.	Description
RZ12	24366471	CF, 470 ohm
RZ14	24366123	CF, 12k ohm
RZ15	24366392	CF, 3900 ohm
RZ16	24366122	CF, 1200 ohm
RZ17	24366331	CF, 330 ohm
RZ18	24366821	CF, 820 ohm
RZ19	24366471	CF, 470 ohm
RZ20	24366122	CF, 1200 ohm
RZ21	24366680	CF, 68 ohm
RZ22	24366101	CF, 100 ohm
RZ23	24366821	CF, 820 ohm
RZ24	24366821	CF, 820 ohm
RZ25	24366101	CF, 100 ohm
RZ26	24366101	CF, 100 ohm
RZ28	24366564	CF, 560k ohm
RZ29	24366331	CF, 330 ohm
RZ30	24366331	CF, 330 ohm
RZ31	24366102	CF, 1k ohm

COILS & TRANSFORMERS

L101	23221803	Coil, Choke, TLN3040D
L201	23238710	Coil, Peaking, TRF4220AJ
L301	23103859	Coil (Ferrite Bead), TEM2011
L302	23289101	Coil, Peaking, TRF4101AF
L400(U905C)	23221886	Coil, Choke, TLN3073
L400(U902A)	23289100	Coil, Peaking, TRF4100AF
L409	23238715	Coil, Peaking, TRF4829AJ
L410	23103859	Coil (Ferrite Bead), TEM2011
L441	23233966	Coil, Linearity, TLN2158AY
L442	23248164	Coil, Choke, TLN3437AD
L443	23248165	Coil, Choke, TLN3438AD
L461	23248111	Coil, Choke, TLN3349D
L462	-----	DY, Supplied with V901
L491	23211923	Coil, Choke, AT4043/100
L501	23289479	Coil, Peaking, TRF44R7AF
L503	23289470	Coil, Peaking, TRF4470AF
L504	23103824	Coil, TEM2028K
L505	23103824	Coil, TEM2028K
L506	23103824	Coil, TEM2028K
L507	23103824	Coil, TEM2028K
L508	23103824	Coil, TEM2028K
L509	23103824	Coil, TEM2028K
L510	23238718	Coil, Peaking, TRF4479AJ
L676	23238562	Coil, Peaking, TRF4109AJ
L677	23238562	Coil, Peaking, TRF4109AJ
L682	23289109	Coil, Peaking, TRF41R0AF
L683	23289109	Coil, Peaking, TRF41R0AF
L701	23289100	Coil, Peaking, TRF4100AF
L702	23261974	Coil, Choke, HC5-035
L704	23103859	Coil (Ferrite Bead), TEM2011
L705	23103859	Coil (Ferrite Bead), TEM2011
L811	23103859	Coil (Ferrite Bead), TEM2011
L814	23221747	Coil, Choke, TRF9253D
L875	23248087	Coil, Choke, TLN3312D
L883	23221747	Coil, Choke, TRF9253D
L885	23248073	Coil, Choke, TLN3299D
L886	23103859	Coil (Ferrite Bead), TEM2011
L889	23222694	Coil, Width, TLN2026
L891	23103859	Coil (Ferrite Bead), TEM2011
L892	23103859	Coil (Ferrite Bead), TEM2011
L893	23222694	Coil, Width, TLN2026
L896	23103859	Coil (Ferrite Bead), TEM2011
L897	23222694	Coil, Width, TLN2026
△L901	23200276	Coil, Degaussing, TSB-2330BR

Location No.	Part No.	Description
L902	23289101	Coil, Peaking, TRF4101AF
L903	23289101	Coil, Peaking, TRF4101AF
L904	23289101	Coil, Peaking, TRF4101AF
L905	23289220	Coil, Peaking, TRF4220AF
L906	23289220	Coil, Peaking, TRF4220AF
L907	23289220	Coil, Peaking, TRF4220AF
L908	23289100	Coil, Peaking, TRF4100AF
L910	23289229	Coil, Peaking, TRF42R2AF
L911	23289101	Coil, Peaking, TRF4101AF
L912	23289150	Coil, Peaking, TRF4150AF
L913	23289150	Coil, Peaking, TRF4150AF
L914	23289150	Coil, Peaking, TRF4150AF
L4430	23289680	Coil, Peaking, TRF4680AF
LA01	23289100	Coil, Peaking, TRF4100AF
LC05	23238562	Coil, Peaking, TRF4109AJ
LC06	23103859	Coil (Ferrite Bead), TEM2011
LC07	23238562	Coil, Peaking, TRF4109AJ
LC08	23238562	Coil, Peaking, TRF4109AJ
LC09	23238562	Coil, Peaking, TRF4109AJ
LF01	23238562	Coil, Peaking, TRF4109AJ
LF02	23238562	Coil, Peaking, TRF4109AJ
LF03	23238562	Coil, Peaking, TRF4109AJ
LF04	23238562	Coil, Peaking, TRF4109AJ
LF06	23238562	Coil, Peaking, TRF4109AJ
LF07	23238562	Coil, Peaking, TRF4109AJ
LF08	23238714	Coil, Peaking, TRF4100AJ
LF09	23238714	Coil, Peaking, TRF4100AJ
LF10	23238562	Coil, Peaking, TRF4109AJ
LF11	23289109	Coil, Peaking, TRF41R0AF
LF13	23289100	Coil, Peaking, TRF4100AF
LQ01	23238709	Coil, Peaking, TRF4270AJ
LQ02	23238718	Coil, Peaking, TRF4479AJ
LQ03	23238718	Coil, Peaking, TRF4479AJ
LQ04	23238718	Coil, Peaking, TRF4479AJ
LS01	23289109	Coil, Peaking, TRF41R0AF
LV03	23103824	Coil, TEM2028K
LV06	23289109	Coil, Peaking, TRF41R0AF
LV07	23289109	Coil, Peaking, TRF41R0AF
LV08	23289390	Coil, Peaking, TRF4390AF
LV37	23289150	Coil, Peaking, TRF4150AF
LV42	23289100	Coil, Peaking, TRF4100AF
LV43	23289100	Coil, Peaking, TRF4100AF
LV48	23238705	Coil, Peaking, TRF4560AJ
LV49	23103824	Coil, TEM2028K
LX201	23103829	Chip (Ferrite Bead), TEM2122M
LX202	23103829	Chip (Ferrite Bead), TEM2122M
LX204	23289829	Coil, Peaking, TRF48R2AF
LX205	23289270	Coil, Peaking, TRF4270AF
LX206	23289270	Coil, Peaking, TRF4270AF
LX208	23103822	Chip (Ferrite Bead), TEM2117T
LX209	23103829	Chip (Ferrite Bead), TEM2122M
LX211	23103829	Chip (Ferrite Bead), TEM2122M
LX212	23103822	Chip (Ferrite Bead), TEM2117T
LX213	23103829	Chip (Ferrite Bead), TEM2122M
LX215	23103829	Chip (Ferrite Bead), TEM2122M
LX217	23289120	Coil, Peaking, TRF4120AF
LX218	23289120	Coil, Peaking, TRF4120AF
LX219	23289120	Coil, Peaking, TRF4120AF

Location No.	Part No.	Description
LX220	23103829	Chip (Ferrite Bead), TEM2122M
LX221	23103829	Chip (Ferrite Bead), TEM2122M
LX222	23103829	Chip (Ferrite Bead), TEM2122M
LX223	23103829	Chip (Ferrite Bead), TEM2122M
LX224	23103829	Chip (Ferrite Bead), TEM2122M
LX227	23103829	Chip (Ferrite Bead), TEM2122M
LX231	23245822	Chip, Inductor, 2.2 μ H
LX304	23238562	Coil, Peaking, TRF4109AJ
LX305	23238562	Coil, Peaking, TRF4109AJ
LX306	23238562	Coil, Peaking, TRF4109AJ
LX307	23238562	Coil, Peaking, TRF4109AJ
LX308	23238562	Coil, Peaking, TRF4109AJ
LX309	23238562	Coil, Peaking, TRF4109AJ
LX310	23238562	Coil, Peaking, TRF4109AJ
LX311	23238562	Coil, Peaking, TRF4109AJ
LX312	23238562	Coil, Peaking, TRF4109AJ
LX313	23238562	Coil, Peaking, TRF4109AJ
LZ01	23238712	Coil, Peaking, TRF4150AJ
LZ02	23238716	Coil, Peaking, TRF4689AJ
LZ03	23238716	Coil, Peaking, TRF4689AJ
LZ04	23238709	Coil, Peaking, TRF4270AJ
LZ05	23238716	Coil, Peaking, TRF4689AJ
LZ06	23238709	Coil, Peaking, TRF4270AJ
LZ07	23238709	Coil, Peaking, TRF4270AJ
LZ08	23238707	Coil, Peaking, TRF4390AJ
LZ09	70131060	Filter, ZBF253D-00
LZ10	70131060	Filter, ZBF253D-00
LZ11	23238709	Coil, Peaking, TRF4270AJ
T401	23224333	Transformer, Horiz. Drive, TLN1080
△T461	23236513	Transformer, Flyback, TFB4137AR
T801	23211670	Line, Filter, TRF3164G
△T803	23217350	Transformer, Converter, TPW3367AR
T804	23211670	Line, Filter, TRF3164G
SEMICONDUCTORS		
Q200	A6330059	Transistor, 2SC2482(C)
Q201	A6534053	Transistor, 2SA1015-Y(TE
Q204	A6317440	Transistor, 2SC1815-Y
Q205	A6317440	Transistor, 2SC1815-Y
Q207	A6342206	Transistor, 2SC2878-A(TE
Q301	23905610	IC, LA7846N
Q302	B0384625	IC, TA8859CP
Q303	A6534053	Transistor, 2SA1015-Y(TE
Q304	A6317440	Transistor, 2SC1815-Y
Q360	A6002040	Transistor, RN1204
Q361	A6002040	Transistor, RN1204
Q362	A6002050	Transistor, RN1205
Q370	A6534053	Transistor, 2SA1015-Y(TE
Q402	A6325419	Transistor, 2SC2235-O(FA
Q404	A6371775	Transistor, 2SC5144
Q418	23314141	Transistor, 2SC3852
Q420(U903)	23314141	Transistor, 2SC3852
Q420(U95C)	23316816	IC, LA7860
Q421	A6317440	Transistor, 2SC1815-Y
Q430	23904275	IC, PQ12RF11

Location No.	Part No.	Description
Q460	23314850	Transistor, 2SA1788-E
Q461	A6317440	Transistor, 2SC1815-Y
Q462	A6317440	Transistor, 2SC1815-Y
Q470	A6317440	Transistor, 2SC1815-Y
Q487	A6317440	Transistor, 2SC1815-Y
Q501	B0385990	IC, TA1259N
Q502	A6317440	Transistor, 2SC1815-Y
Q503	A6317440	Transistor, 2SC1815-Y
Q510	A6317440	Transistor, 2SC1815-Y
Q518	A6317440	Transistor, 2SC1815-Y
Q611	A6534053	Transistor, 2SA1015-Y(TE
Q612	A6534053	Transistor, 2SA1015-Y(TE
Q670	B0377307	IC, TA8256H
Q671	A6342206	Transistor, 2SC2878-A(TE
Q672	A6342206	Transistor, 2SC2878-A(TE
Q673	A6342206	Transistor, 2SC2878-A(TE
Q688	A6002040	Transistor, RN1204
Q705	A6317440	Transistor, 2SC1815-Y
Q706	A6317440	Transistor, 2SC1815-Y
Q707	A6734590	Transistor, 2SC752(G)TM-Y
Q709	A6317440	Transistor, 2SC1815-Y
Q710	A6534053	Transistor, 2SA1015-Y(TE
Q711	23314911	Transistor, 2SB1569A
Q712	23314914	Transistor, 2SD2400A
Q719	A6333346	Transistor, 2SC2655-Y(C)
Q801	23905084	IC, STR-S6709
Q802	23314141	Transistor, 2SC3852
Q826	A8643106	Photo Coupler, TLP621(GR)
Q830	23314141	Transistor, 2SC3852
Q831	23314141	Transistor, 2SC3852
Q832	23904274	IC, PQ09RF11
Q840	23318299	IC, L78MR05
Q901	A6368700	Transistor, 2SC4544
Q902	A6317440	Transistor, 2SC1815-Y
Q903	A6368700	Transistor, 2SC4544
Q904	A6317440	Transistor, 2SC1815-Y
Q905	A6368700	Transistor, 2SC4544
Q906	A6317440	Transistor, 2SC1815-Y
Q907	A6534145	Transistor, 2SA1020-Y(C)
Q908	A6321265	Transistor, 2SC2120-Y(TE)
Q910	A6317440	Transistor, 2SC1815-Y
Q911	A6317440	Transistor, 2SC1815-Y
Q912	A6534053	Transistor, 2SA1015-Y(TE
Q913	A6534053	Transistor, 2SA1015-Y(TE
Q914	A6317440	Transistor, 2SC1815-Y
Q4321	A6002040	Transistor, RN1204
Q4421	A6002040	Transistor, RN1204
Q4423	A6325419	Transistor, 2SC2235-O(FA
QA01	23905592	IC, 87CS38N-XXXX
QA02	23904666	IC, NM24C08EN
QA04	A6002040	Transistor, RN1204
QB01	A6317440	Transistor, 2SC1815-Y
QB03	A6002050	Transistor, RN1205
QB30	A6317440	Transistor, 2SC1815-Y
QF01	23904898	IC, SDA5273S
QF03	A6317440	Transistor, 2SC1815-Y
QG01	B0385647	IC, TA1217AN
QQ01	B0385755	IC, TA1229N
QQ02	B0383881	IC, TA8772AN
QQ03	23314794	Transistor, 2PC1815Y
QQ04	23314794	Transistor, 2PC1815Y
QR21	23904807	IC, MC14577CP
QR22	23905603	IC, TDA8443B
QR23	A6534053	Transistor, 2SA1015-Y(TE

Location No.	Part No.	Description
QR24	A6534053	Transistor, 2SA1015-Y(TE
QS01	A6342206	Transistor, 2SC2878-A(TE
QS02	A6342206	Transistor, 2SC2878-A(TE
QS03	A6342206	Transistor, 2SC2878-A(TE
QS04	A6342206	Transistor, 2SC2878-A(TE
QS05	A6342206	Transistor, 2SC2878-A(TE
QS06	A6342206	Transistor, 2SC2878-A(TE
QS07	A6010040	Transistor, RN2004
QS08	A6342206	Transistor, 2SC2878-A(TE
QS09	A6342206	Transistor, 2SC2878-A(TE
QV01	B0385650	IC, TA1218N
QV02	A6317440	Transistor, 2SC1815-Y
QV03	A6317440	Transistor, 2SC1815-Y
QV04	A6317440	Transistor, 2SC1815-Y
QV05	A6534053	Transistor, 2SA1015-Y(TE
QV06	A6534053	Transistor, 2SA1015-Y(TE
QV07	A6342206	Transistor, 2SC2878-A(TE
QV08	A6317440	Transistor, 2SC1815-Y
QV09	A6317440	Transistor, 2SC1815-Y
QV12	A6317440	Transistor, 2SC1815-Y
QV14	A6317440	Transistor, 2SC1815-Y
QV80	A6534053	Transistor, 2SA1015-Y(TE
QX21	A6030630	IC, TC7S08F
QX22(U908A)	70119743	IC, PST523D
QX22(U908A)	A6030600	IC, TC7S00F
QX22(U908A)	A6030640	IC, TC7S32F
QX22(U908A)	A6030620	IC, TC7S04F
QX23(U908A)	B0370000	IC, TA78L05F
QX23(U908A)	A6030630	IC, TC7S08F
QX23(U908A)	A6030620	IC, TC7S04F
QX201	23314204	Transistor, 2SC2412K,Q
QX202	23314204	Transistor, 2SC2412K,Q
QX204	23314202	Transistor, 2SA1037K-Q
QX206	23314202	Transistor, 2SA1037K-Q
QX207	23905540	IC, TDA8755T
QX208	23905544	IC, TMS4C2970
QX209	23905541	IC, SAA7165WP
QX210	A6541130	Transistor, 2SA1162-Y
QX211	23314204	Transistor, 2SC2412K,Q
QX212	A6541130	Transistor, 2SA1162-Y
QX213	23314204	Transistor, 2SC2412K,Q
QX214	A6541130	Transistor, 2SA1162-Y
QX215	23314204	Transistor, 2SC2412K,Q
QX216	23314527	Transistor, XN4401
QX217	23314204	Transistor, 2SC2412K,Q
QX219	23905543	IC, P83C652EBA
QX220	A6030871	IC, TC7W04F(BRA)
QX221	23905542	IC, SAA4951WP
QX222	23905013	IC, TLC2932IPW
QX223	23905013	IC, TLC2932IPW
QX231	23314204	Transistor, 2SC2412K,Q
QX232	23314204	Transistor, 2SC2412K,Q
QX234	23314204	Transistor, 2SC2412K,Q
QZ01	B0410688	IC, TC9090AN
QZ02	23319504	IC, MM1031XS
QZ03	23314794	Transistor, 2PC1815Y
QZ04	23314794	Transistor, 2PC1815Y
QZ05	23314794	Transistor, 2PC1815Y
QZ06	23314794	Transistor, 2PC1815Y
D101	23316411	Diode, 1SS184
D201(U908A)	23316820	Diode, 1SS353
D201(U902A)	23115599	Diode, 1N4148
D240	23115599	Diode, 1N4148
D301	23118479	Diode, BYD33J

Location No.	Part No.	Description
D302	23118479	Diode, BYD33J
D303	23316794	Diode, SC570A
D306	23115599	Diode, 1N4148
D370	23316658	Diode, Zener, MTZJ3.6A
D371	23115599	Diode, 1N4148
D404	A7680591	Diode, 5VUZ52
D406	23118479	Diode, BYD33J
D418	23316749	Diode, Zener, MTZJ30A
D419	23316716	Diode, Zener, MTZJ11B
D420	23316716	Diode, Zener, MTZJ11B
D421	23316680	Diode, Zener, MTZJ7.5A
D4301	23316726	Diode, Zener, MTZJ15C
D432	23118479	Diode, BYD33J
D436	23115599	Diode, 1N4148
D441	23316687	Diode, Zener, MTZJ9.1B
D460	23118479	Diode, BYD33J
D461	23316582	Diode, ERC20-06
D463	23115599	Diode, 1N4148
D464	23316718	Diode, Zener, MTZJ12A
D466	23316672	Diode, Zener, MTZJ5.6B
D467	23118479	Diode, BYD33J
D468	23316718	Diode, Zener, MTZJ12A
D474	23316719	Diode, Zener, MTZJ12B
D486	23316731	Diode, Zener, MTZJ18B
D487	23118479	Diode, BYD33J
D490	23115599	Diode, 1N4148
D491	A7568460	Diode, TVR-1B
D501	23115599	Diode, 1N4148
D502	23115599	Diode, 1N4148
D611	23115599	Diode, 1N4148
D612	23115599	Diode, 1N4148
D613	23115599	Diode, 1N4148
D615	23115599	Diode, 1N4148
D617	23115599	Diode, 1N4148
D670	23115599	Diode, 1N4148
D671	23115599	Diode, 1N4148
D674	23115599	Diode, 1N4148
D675	23115599	Diode, 1N4148
D704	23115599	Diode, 1N4148
D705	23115599	Diode, 1N4148
D715	23115599	Diode, 1N4148
D721	23115599	Diode, 1N4148
D801	23316795	Diode, D6SB60L, F05
D802	23118479	Diode, BYD33J
D803	23118479	Diode, BYD33J
D804	23316678	Diode, Zener, MTZJ6.8B
D805	23115599	Diode, 1N4148
D806	23118479	Diode, BYD33J
D808	23118479	Diode, BYD33J
D809	23316672	Diode, Zener, MTZJ5.6B
D810	23115599	Diode, 1N4148
D811	23115599	Diode, 1N4148
D812	23118451	Diode, RU-4A
D815	23316725	Diode, Zener, MTZJ15B
D828	23115599	Diode, 1N4148
D883	23316406	Diode, FML-G16S
D885	23316184	Diode, FML-G12S
D891	23316184	Diode, FML-G12S
D892(U902A)	23316673	Diode, Zener, MTZJ5.6C
D892(U903)	23316184	Diode, FML-G12S
D893	23316672	Diode, Zener, MTZJ5.6B
D896	23118479	Diode, BYD33J
D901	23115599	Diode, 1N4148
D903	23115599	Diode, 1N4148

Location No.	Part No.	Description
D904	23115599	Diode, 1N4148
D905	23115599	Diode, 1N4148
D906	23115599	Diode, 1N4148
D907	23115599	Diode, 1N4148
D908	23115599	Diode, 1N4148
D909	23115599	Diode, 1N4148
D910	23115599	Diode, 1N4148
D911	23118479	Diode, BYD33J
D912	23115599	Diode, 1N4148
D913	23115599	Diode, 1N4148
D914	23115599	Diode, 1N4148
D4301	23316726	Diode, Zener, MTZJ15C
DB01	23358505	LED, SLR56VC196F
DB02	23358503	LED, SCL003MC3FX
DB03	23358522	LED, SIR-56SB3F
DB30	23115599	Diode, 1N4148
DF01	23316654	Diode, Zener, MTZJ3.0A
DR01	23316719	Diode, Zener, MTZJ12B
DR02	23316719	Diode, Zener, MTZJ12B
DR03	23316719	Diode, Zener, MTZJ12B
DR04	23316719	Diode, Zener, MTZJ12B
DV01	23316687	Diode, Zener, MTZJ9.1B
DV02	23316687	Diode, Zener, MTZJ9.1B
DV03	23316687	Diode, Zener, MTZJ9.1B
DV04	23316687	Diode, Zener, MTZJ9.1B
DV05	23316687	Diode, Zener, MTZJ9.1B
DV06	23316687	Diode, Zener, MTZJ9.1B
DV07	23316687	Diode, Zener, MTZJ9.1B
DV09	23115599	Diode, 1N4148
DV10	23115599	Diode, 1N4148
DV11	23115599	Diode, 1N4148
DV12	23316687	Diode, Zener, MTZJ9.1B
DV80	23115599	Diode, 1N4148
DZ01	23118622	Diode, Zener, RD10ESAB2

MISCELLANEOUS

△F470	23144502	Fuse, 1.0A
F470A	23165433	Holder, Fuse
F470B	23165433	Holder, Fuse
△F801	23144507	Fuse, 3.15A
F801A	23165433	Holder, Fuse
G224	24366271	CF, 270 ohm
G430	A7568460	Diode, TVR-1B
G510	23289470	Coil, Peaking, TRF4470AF
GV05	23289109	Coil, Peaking, TRF41R0AF
GV06	23289109	Coil, Peaking, TRF41R0AF
GV07	23289109	Coil, Peaking, TRF41R0AF
GV08	23289109	Coil, Peaking, TRF41R0AF
GV80	24366681	CF, 680 ohm
GV81	24366681	CF, 680 ohm
H002	23148250	Module, MVGS44A, IGR BG/DK
KB01	23904946	Remote Sensor, RPM-676CBR-S
P661	23363607	Headphone Jack, 3.5mm
△P801	23372014	Power Cord
PV01	23365891	Jack, 4P
PV03	23365546	Jack, 2C-2P
PV04	23363252	Pin Jack, Yellow
PV05	23365508	Jack, Phono
△S801	23344395	Switch, Power
SA01	23145430	Switch, Push, 1C1P
SA02	23145430	Switch, Push, 1C1P
SA03	23145430	Switch, Push, 1C1P

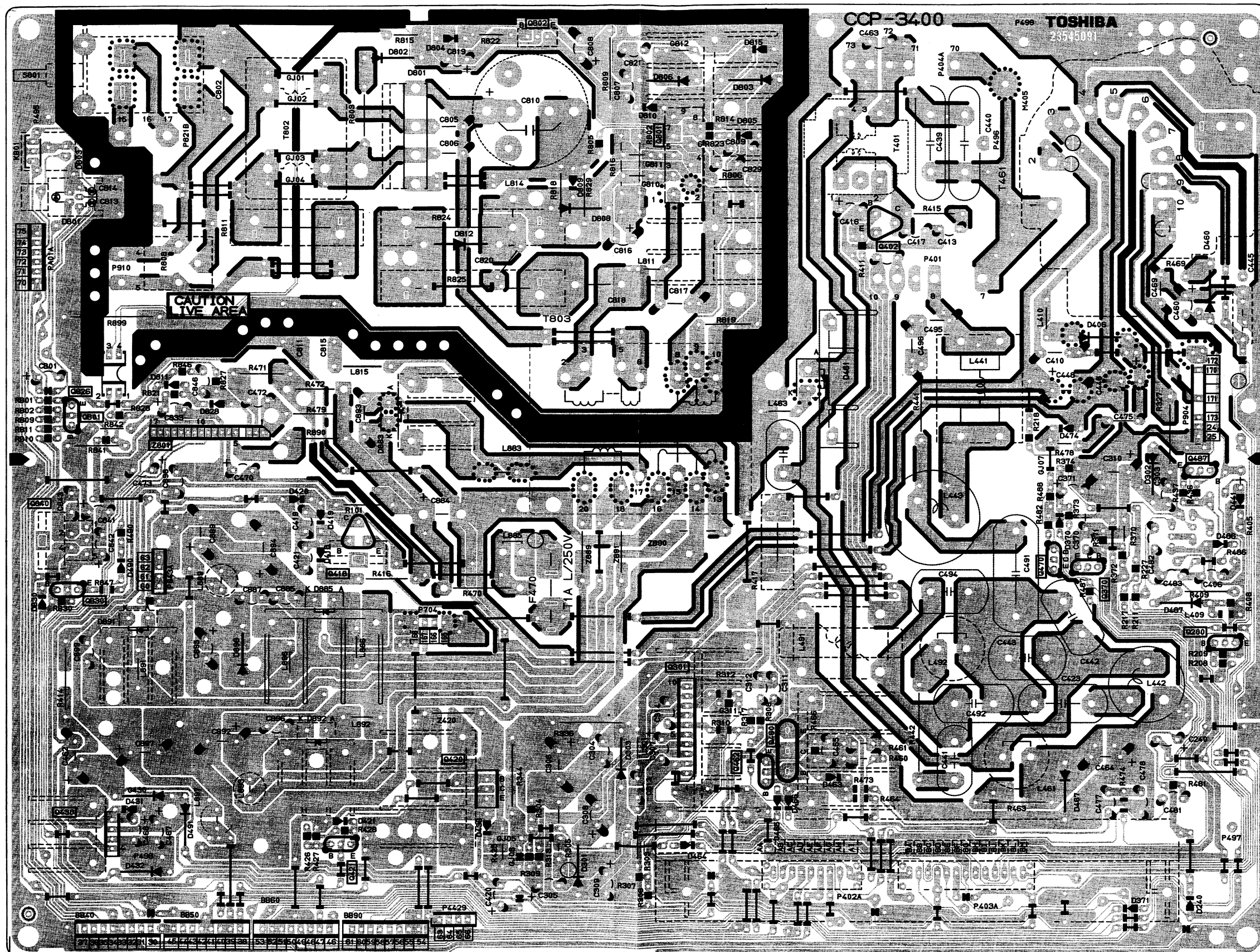
Location No.	Part No.	Description

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BOTTOM (FOIL) SIDE



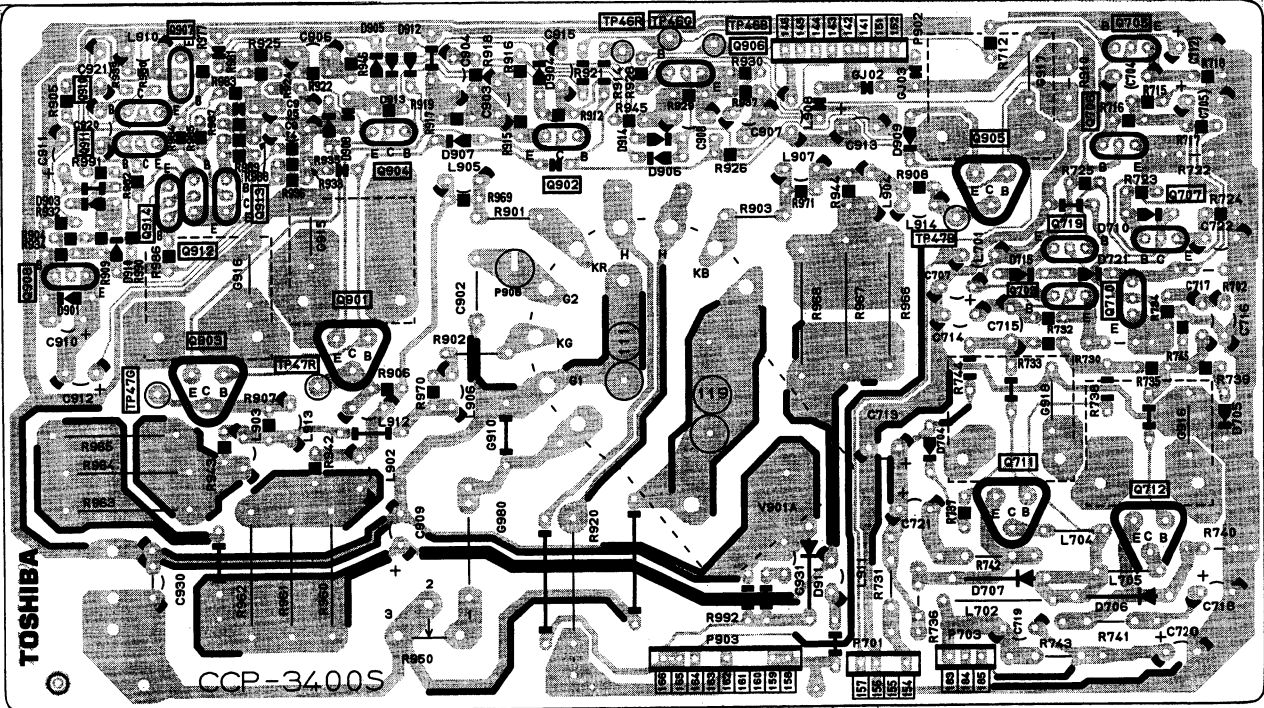
POWER/DEF BOARD PB6509X
BOTTOM (FOIL) SIDE



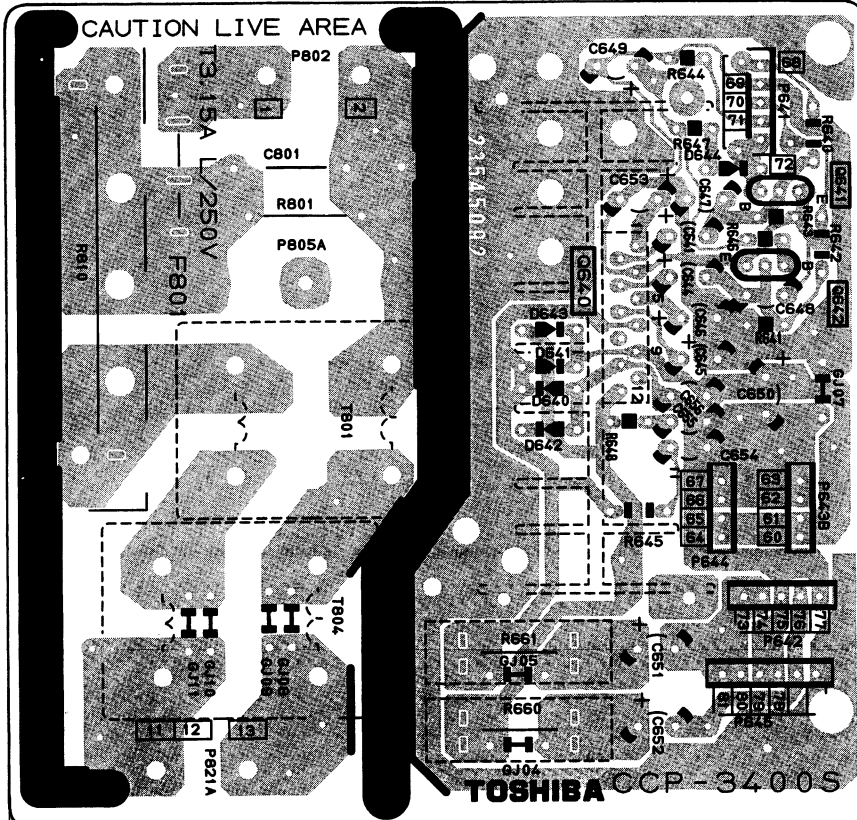
BOTTOM (FOIL) SIDE



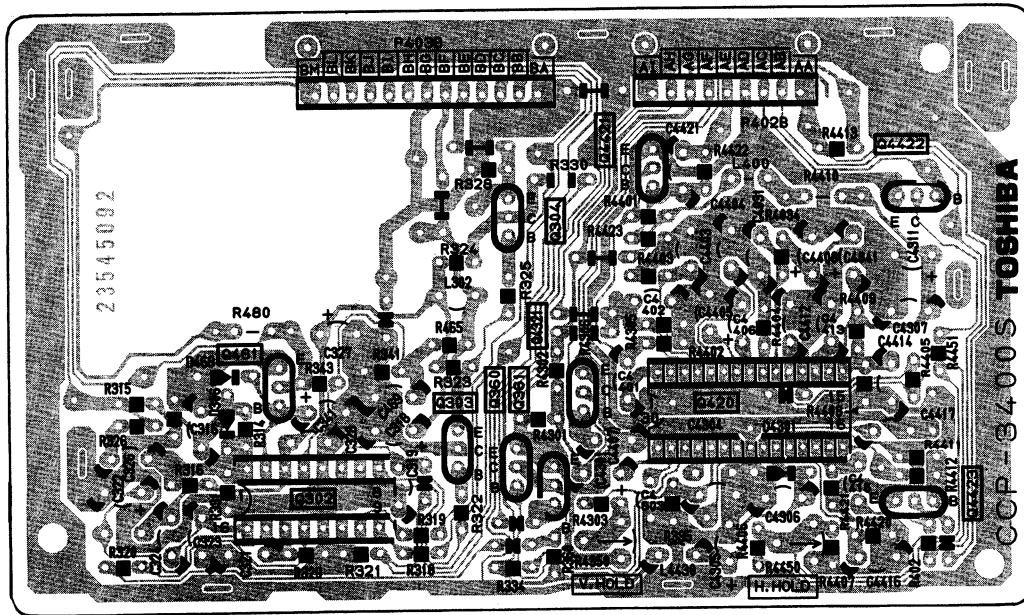
BOTTOM (FOIL) SIDE



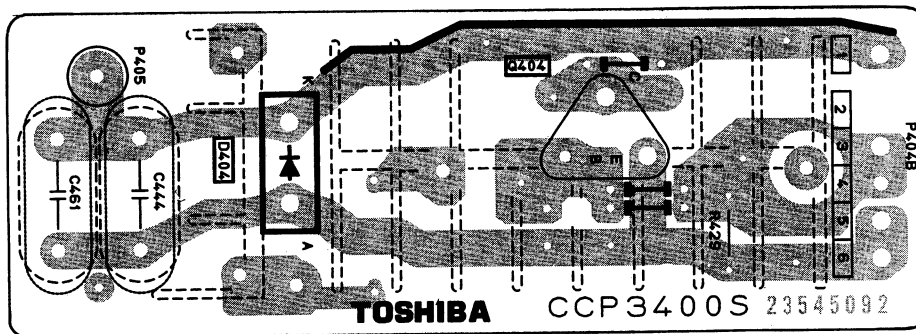
BOTTOM (FOIL) SIDE



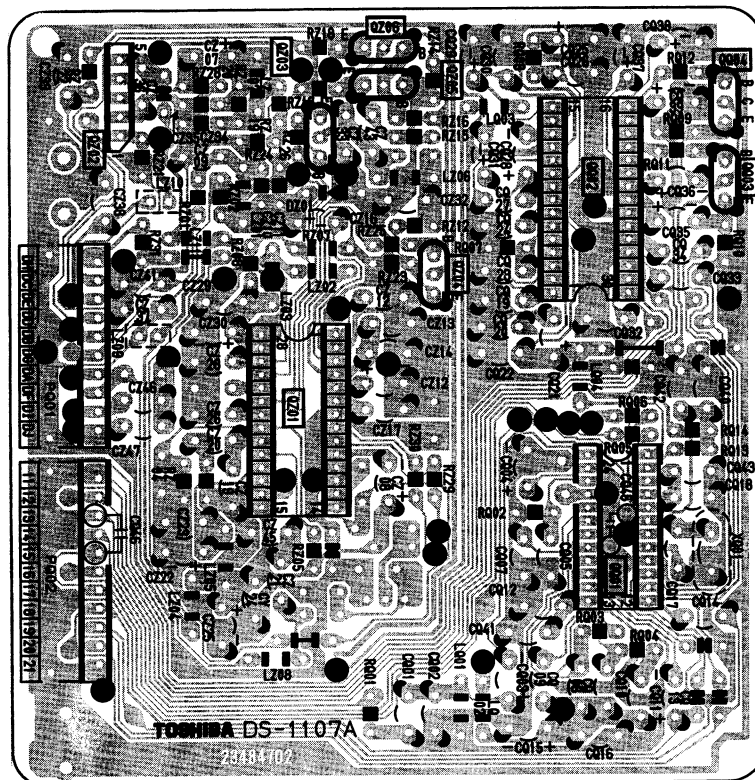
E/W BOARD PB6510X-3
BOTTOM (FOIL) SIDE



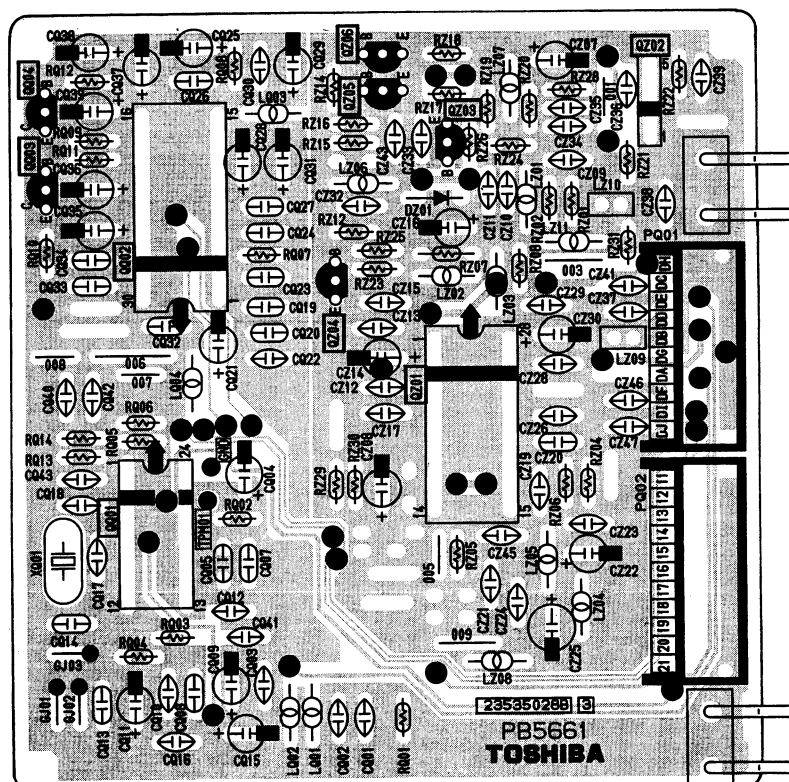
H.OUT BOARD PB6510X-4
BOTTOM (FOIL) SIDE



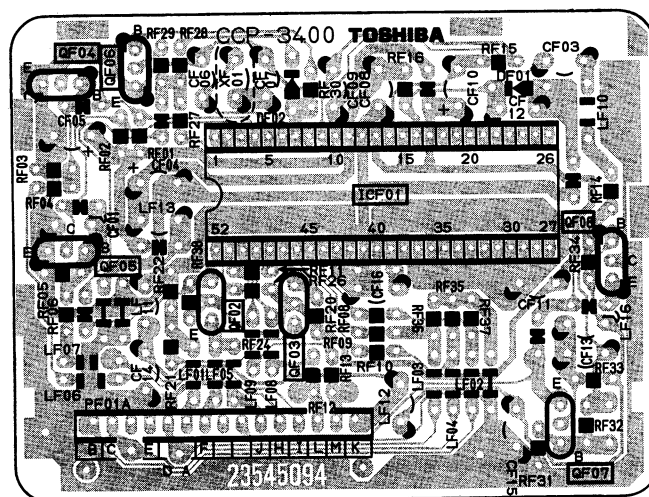
COMB/SECAM BOARD PB5661X
BOTTOM (FOIL) SIDE



COMB/SECAM BOARD PB5661X
TOP (PARTS) SIDE

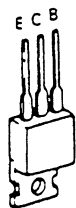


BOTTOM (FOIL) SIDE

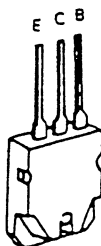


VEDUTA TERMINALI DEI TRANSISTORI

① 2SC1569



② 2SC3927(A)



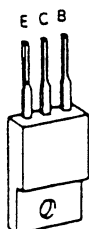
③ 2SC2580-C
2SC2655



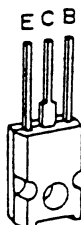
④ 2SA933S
2SA1015-Y
2SA1320-Y
2SC752GTM
2SC1685-Q
2SC1740S
2SC1815-N
2SC1959-Y
2SC2120-Y
2SC2878-A



⑤ 2SB1186A
2SC3852
2SD2253



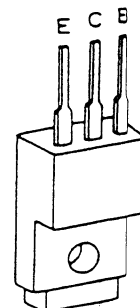
⑥ 2SC3619



⑦ RN1203
RN1204
RN1206
RN2004



⑧ 2SB1186A
2SD1763A



SPECIFICATIONS

Input Power Rating:	150 Watts (Normal), , AC 220 ~ 240 Volts, 50 Hz
Aerial Input Impedance:	75 ohm unbalanced type for VHF, UHF and CATV
Receiving Channels:	PAL B/G Standard, SECAM B/G Standard: VHF channels 2 to 4, 5 to 12 UHF channels 21 to 69 CATV S1 to S41 PAL D/K, SECAM D/K Standard: VHF channels 1 to 12 UHF channels 21 to 69 PAL, SECAM 50 Hz/60 Hz (For Video Disk playback) 4.43 NTSC (For VCR playback), 3.58 NTSC (For VCR playback)
Intermediate Frequencies:	Picture I-F carrier frequency 38.9 MHz (L VL) Sound I-F carrier frequency L System 32.4 MHz (L VH, U)/40.97 MHz (L VL) B/G System 33.4 MHz D/K System 32.4 MHz
Picture Tube:	28 inches, A66EAK252X54, 660 mm (measured on diagonal of viewable picture area) 110° deflection
Sound Output:	10 W + 10W (at 10% Distortion, Main) 13W (at 10% Distortion, Woofer)
Speakers:	60 mm x 120 mm oval, 2 pcs (Main) 100 mm, round, 1 pc (Woofer)
Aux. Terminals:	21 pin socket (FULL), 21 pin socket (S-VIDEO/AV), MONITOR OUTPUT, STEREO HEADPHONE JACK (3.5mm).
Cabinet:	Table type
Dimensions:	Height 569 mm Width 760 mm Depth 480 mm
Mass:	36.3 kg

Specifications are subject to change without notice.

SCHEMATIC DIAGRAM MODEL: 2866DD (1/4)

CAUTION: The international hazard symbols "△" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 2. Do not degrade the safety of the receiver through improper servicing.

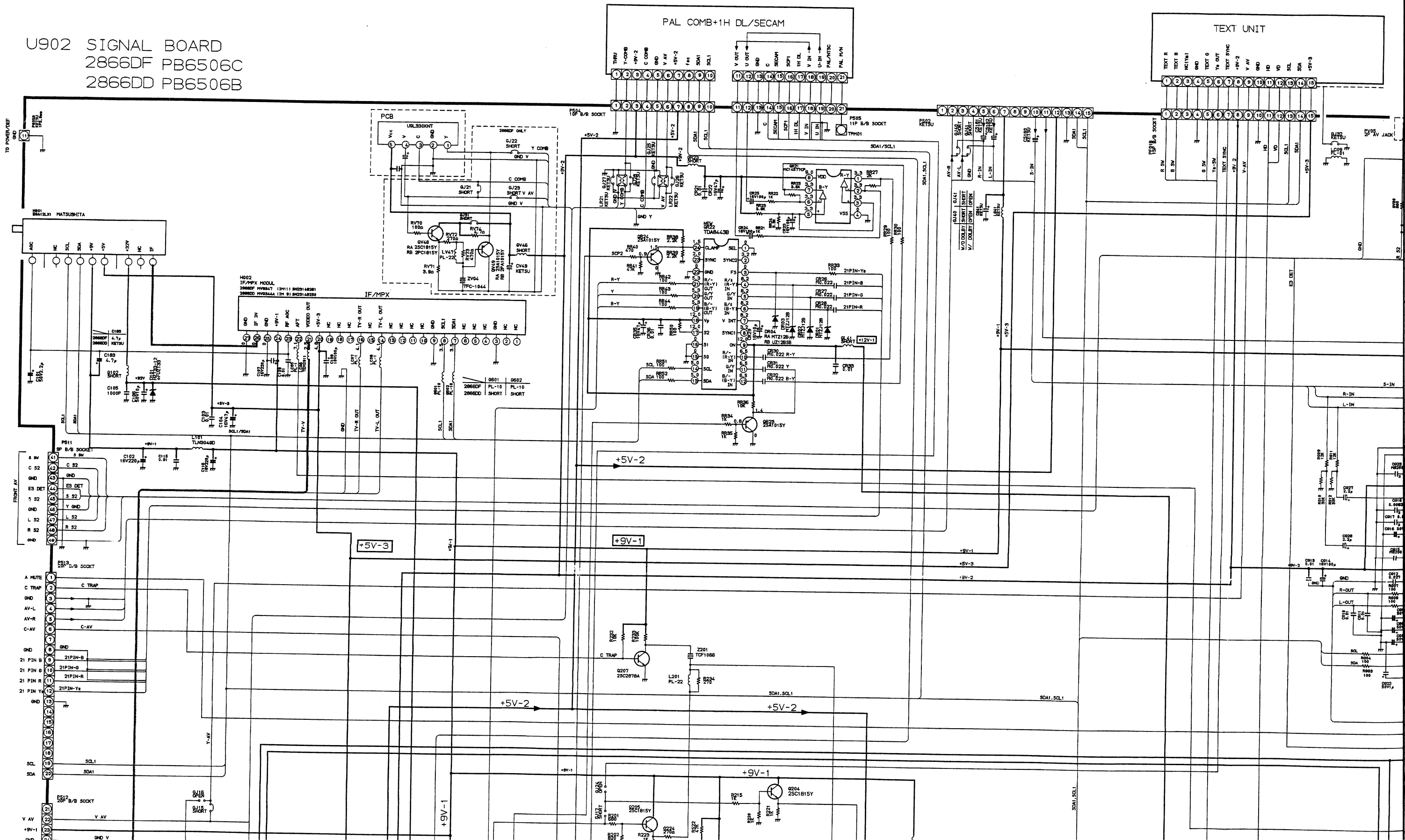
OBSERVATION OF VOLTAGES AND WAVEFORMS

1. Voltages read with VTVM from point shown to chassis ground, line voltage 220 volts, colour bar signal. Voltages reading may vary $\pm 20\%$.
2. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
3. Waveforms are taken using a standard colour bar signal.
4. Make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position. Set other controls for best picture.

NOTES:

1. D.C. resistance value of a principal transformer is gram. These are measured for separated from the c
2. The circuits are subject to change without notice.
3. ● : Solder links.

U902 SIGNAL BOARD
2866DF PB6506C
2866DD PB6506B



0RMS

to chassis ground, line voltage 220 may vary $\pm 20\%$.
oscilloscope and a low capacity probe.
ur bar signal.
t controls are in mid position and
n position. Set other controls for best

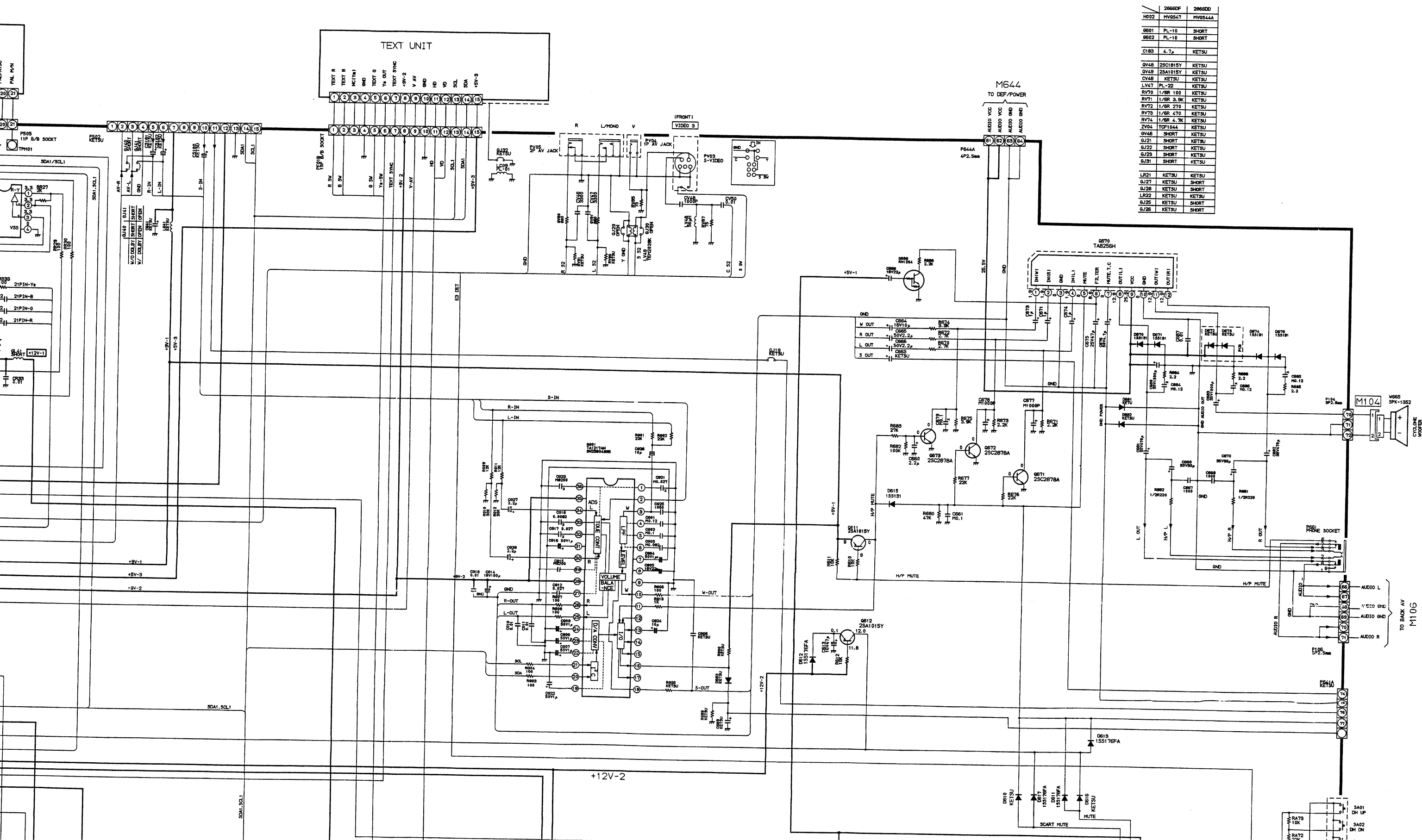
NOTES:

1. D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit.
2. The circuits are subject to change without notice.
3. $\bullet$: Solder links.

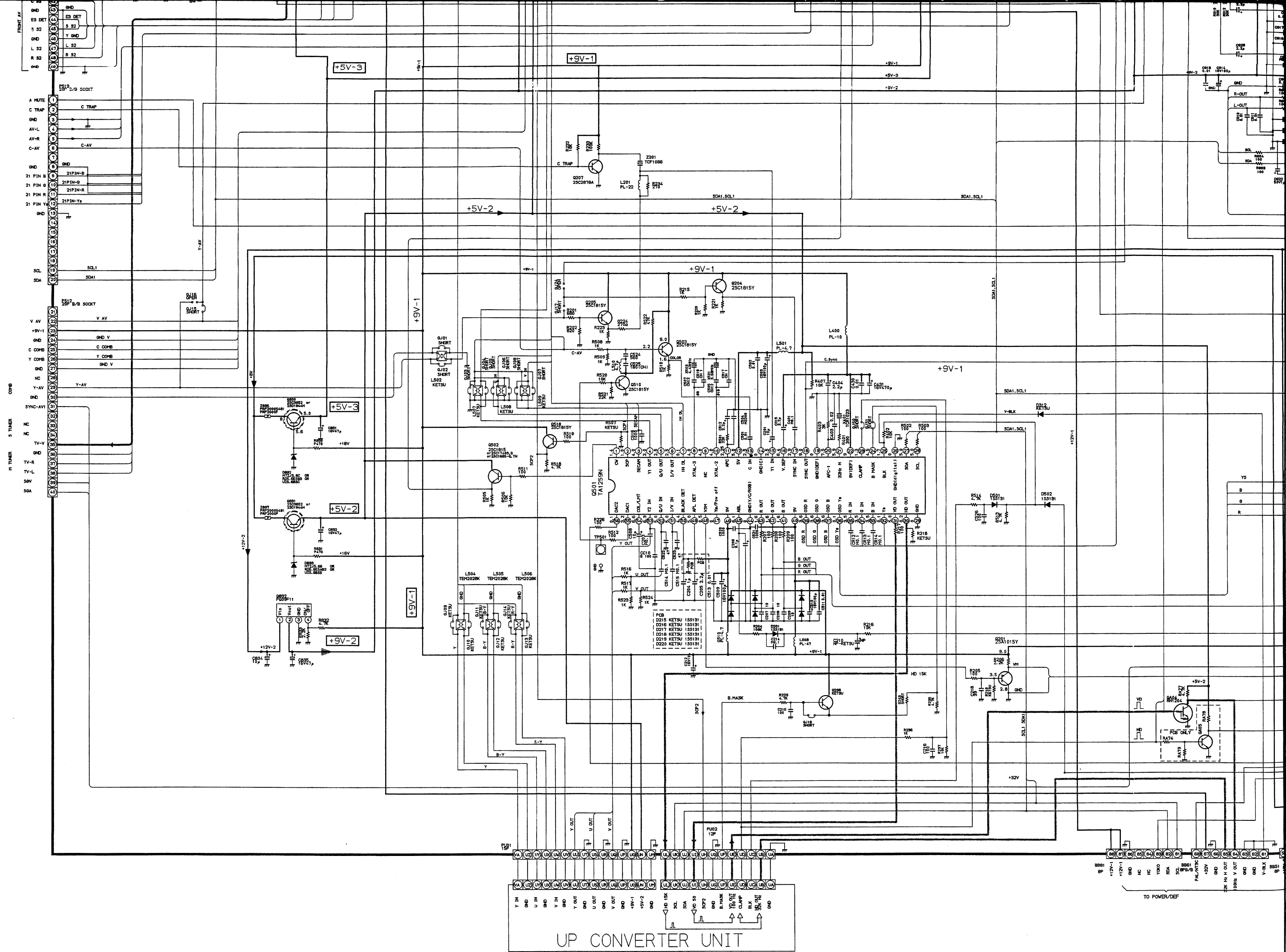
EXPRESSION

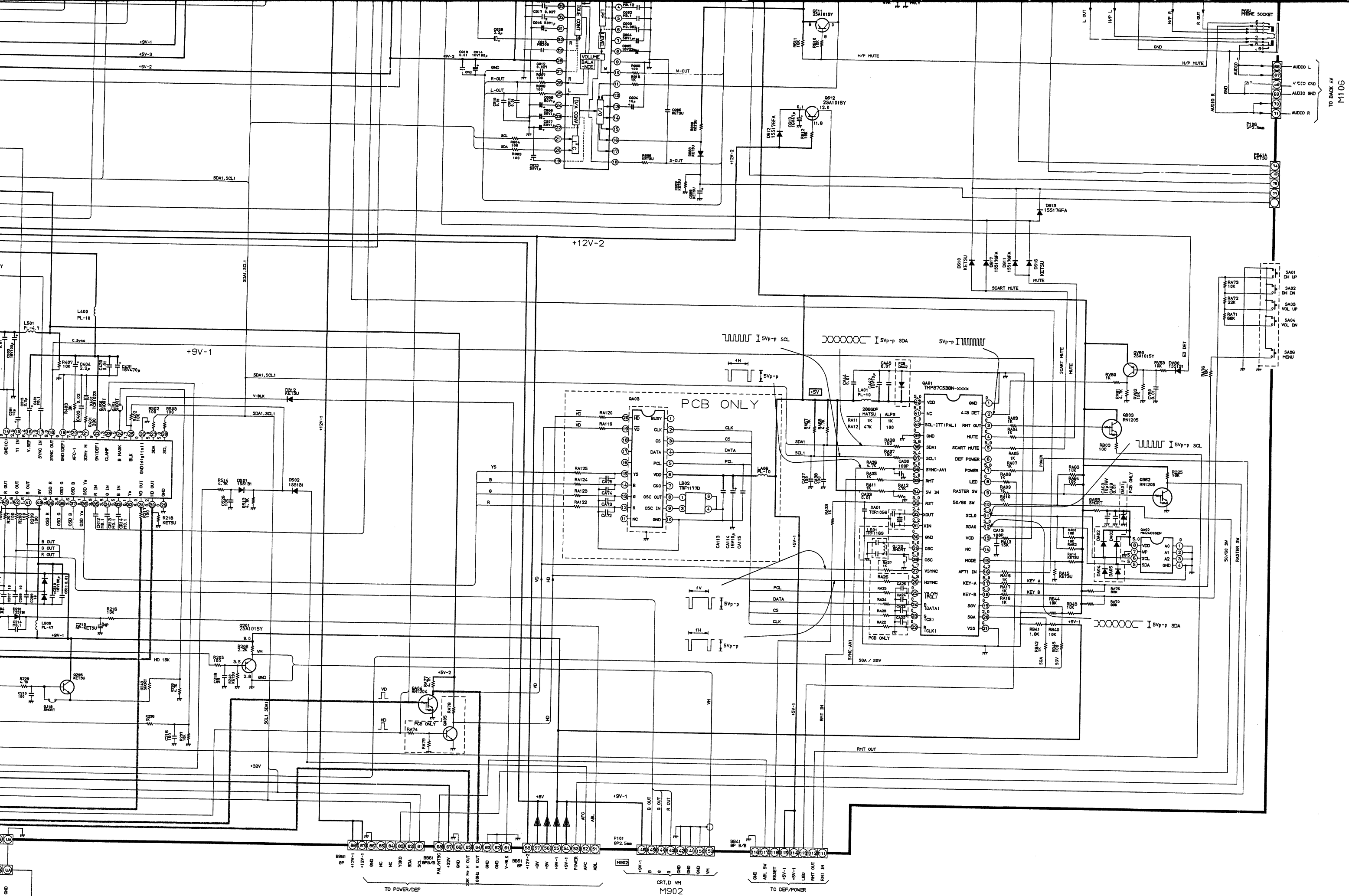
VALUE OF RESISTOR, CAPACITOR and INDUCTOR

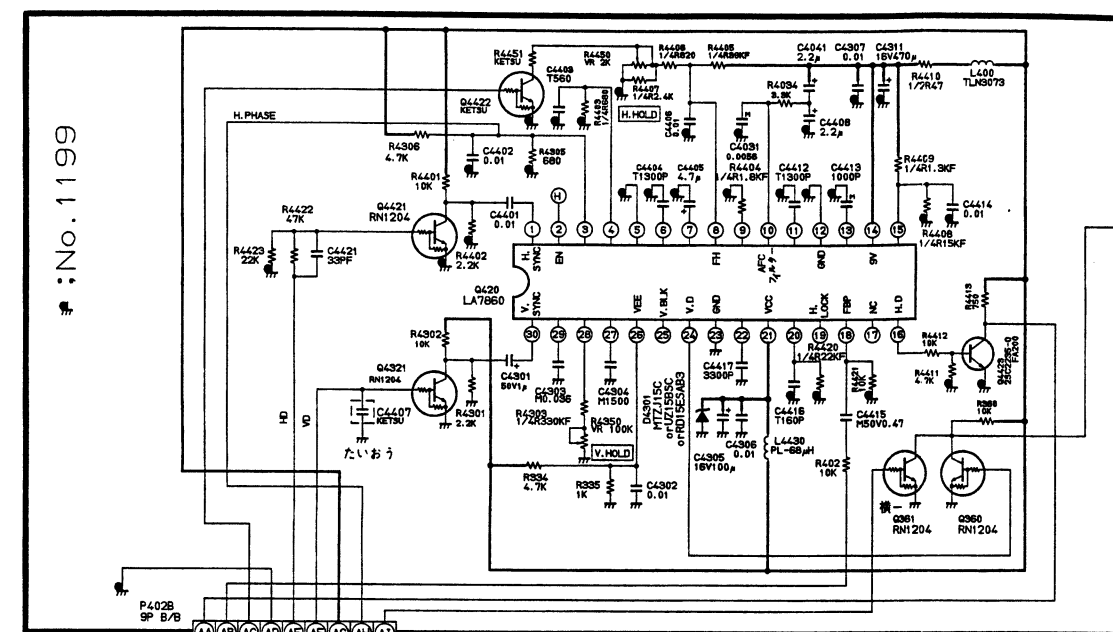
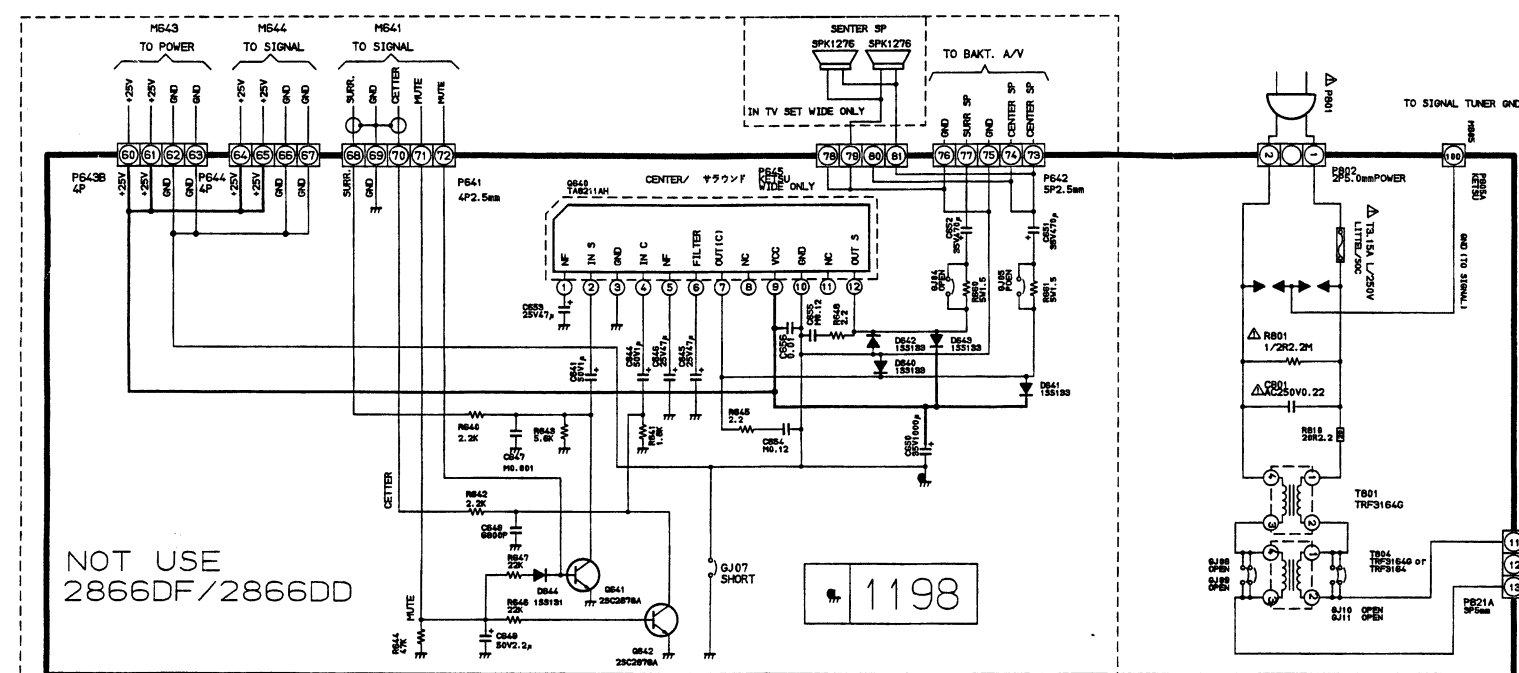
1. Resistance is shown in ohm, $k=1,000$, $M=1,000,000$
2. Unless other wise noted in schematic, all capacitor values less than 1 are expressed in μF and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in μH , and the values less than 1 in H.



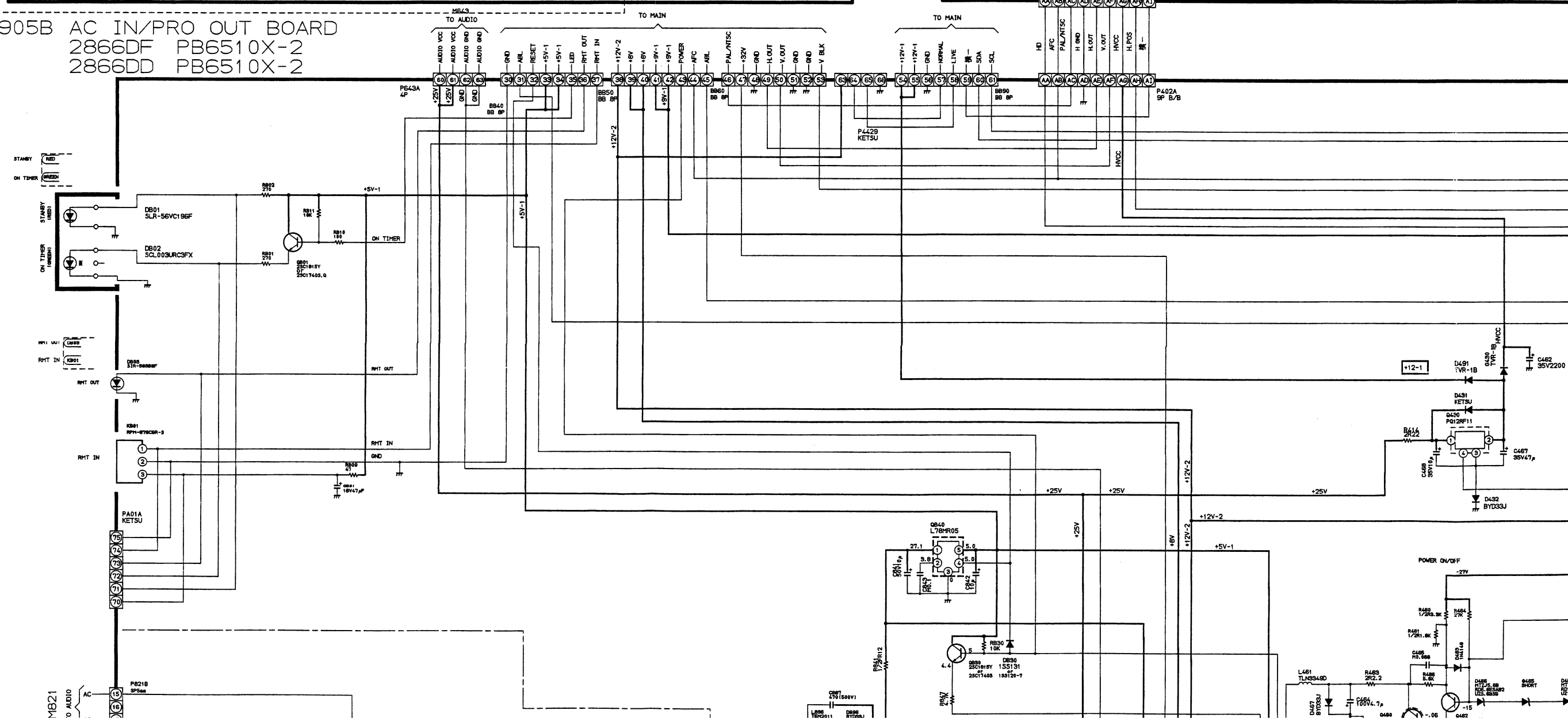
	286D0F	286D0D
H002	MY0547	MY0544A
0601	PL-10	SHORT
0602	PL-10	SHORT
C183	4.7 μ	KETSU
QV48	25C1815Y	KETSU
QV49	25A1015Y	KETSU
QV48	KETSU	KETSU
LV47	PL-22	KETSU
RV70	1/8R 100	KETSU
RV71	1/8R 3.9K	KETSU
RV72	1/8R 270	KETSU
RV73	1/8R 4.7K	KETSU
RV74	1/8R 4.7K	KETSU
ZV04	TCF1044	KETSU
QV48	SHORT	KETSU
QJ21	SHORT	KETSU
QJ22	SHORT	KETSU
QJ23	SHORT	KETSU
QJ31	SHORT	KETSU
LR21	KETSU	KETSU
QJ27	KETSU	SHORT
LR28	KETSU	SHORT
QJ28	KETSU	KETSU
QJ29	KETSU	SHORT
QJ26	KETSU	SHORT





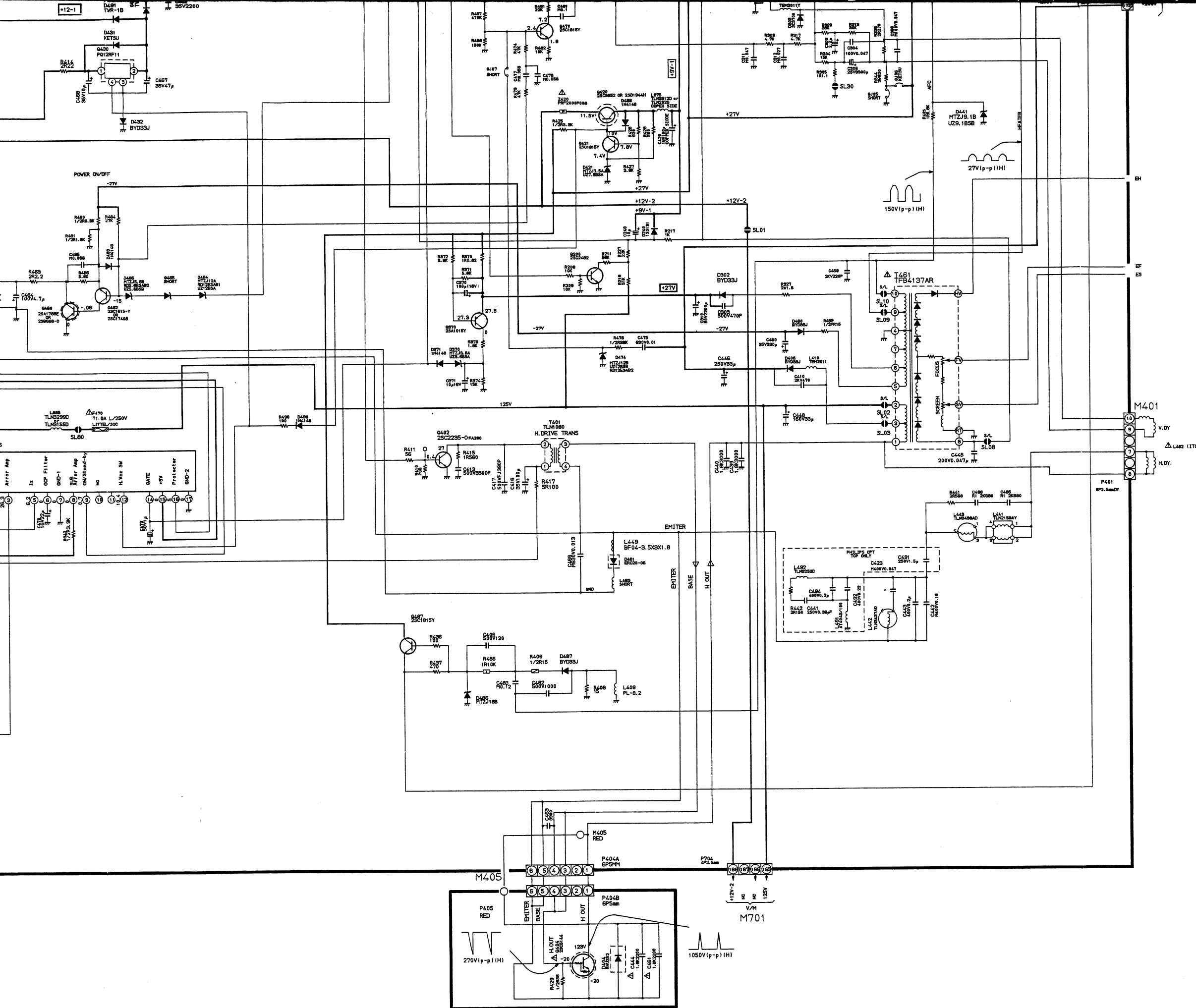


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U905B AC IN/PRO OUT BOARD
2866DF PB6510X-2
2866DD PB6510X-2
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2866DD PB6509X



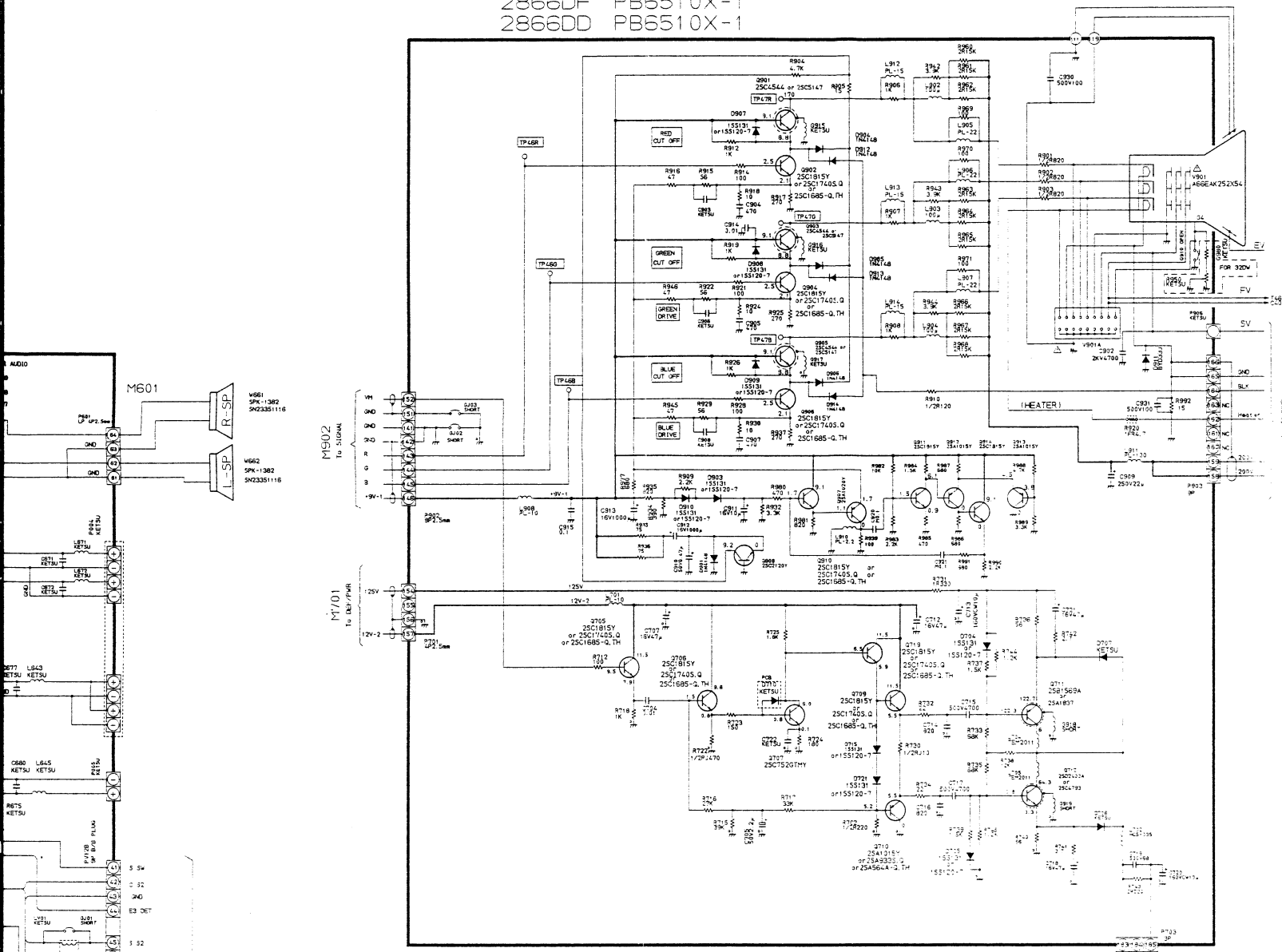
U905D H. OUT BOARD
 2866DF PB6510X-4
 2866DD PB6510X-4

(3/4)

2866DD PB6511X



U905A CRT-D/DSM BOARD
 2866DF PB5510X-1
 2866DD PB5510X-1



2866DF
 U906 1H DL/SECAM BOARD 5661C

